

102869

Fr m: Chan, Christina
S nt: Tuesday, September 02, 2003 2:59 PM
To: Holleran, Anne; STIC-Biotech/ChemLib
Subject: RE: RUSH sequence search for 09/234;208

Please rush. Thanks Chris

Chris Chan

TC 1600 New Hire Training Coordinator and SPE 1644
308-3973
CM-1, 9B19

ORF F

-----Original Message-----

From: Holleran, Anne
Sent: Tuesday, September 02, 2003 2:51 PM
To: Chan, Christina
Subject: RUSH sequence search for 09/234,208

Please approve and forward to STIC the following RUSH sequence search request. This is for an amendment due this biweek. Thank you.

Please search the following for the 09/234,208:

interference databases, SEQ ID NO: 1(aa) and SEQ ID NO: 2(aa)

interference databases, SEQ ID NO: 1 (aa) and SEQ ID NO: 2 (aa), oligomer search

Anne Holleran
AU: 1642
Tel: 308-8892
RM: 8e03

mailbox: 8e12

Searcher: _____
Phone: _____
Location: _____
Date Picked Up: _____
Date Completed: _____
Searcher Prep/Review: _____
Clerical: _____
Online time: _____

TYPE OF SEARCH:
NA Sequences: _____
AA Sequences: _____
Structures: _____
Bibliographic: _____
Litigation: _____
Full text: _____
Patent Family: _____
Other: _____

VENDOR/COST (where applic.)
STN: _____
DIALOG: _____
Questel/Orbit: _____
DRLink: _____
Lexis/Nexis: _____
Sequence Sys.: _____
WWW/Internet: _____
Other (specify): _____

GenCore version 5.1.6
Copyright (c) 1993 - 2003 CompuGen Ltd.

OM protein - protein search, using sw model

Run on: September 3, 2003, 16:31:56 ; Search time 6.50402 Seconds
(without alignments)
513.922 Million cell updates/sec

Title: US-09-234-208b-1

Perfect score: 418
Sequence: 1 GTHSLPRPAAVPLRMQP.....YGRGPDPAHVAVNLSTRYEG 79

Scoring table:

BLOSUM62
Gapop 10.0 , Gapext 0.5

Searched: 328717 seqs, 42310858 residues

Total number of hits satisfying chosen parameters: 328717

Minimum DB seq length: 0

Maximum DB seq length: 200000000

Post-processing: Minimum Match 0%

Maximum Match 100%

Listing first 45 summaries

Database :

Issued_Patents_AA:*
1: /cgn2_6/ptodata/1/1aa/5A_COMB.pep:*
2: /cgn2_6/ptodata/1/1aa/5B_COMB.pep:*
3: /cgn2_6/ptodata/1/1aa/6A_COMB.pep:*
4: /cgn2_6/ptodata/1/1aa/6B_COMB.pep:*
5: /cgn2_6/ptodata/1/1aa/PCOTUS_COMB.pep:*
6: /cgn2_6/ptodata/1/1aa/backfiles1.pep:*

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	Query Match	Length	ID	Description
1	418	100.0	79	US-09-630-155-1	Sequence 1, Appl1
2	418	100.0	419	US-09-630-155-2	Sequence 2, Appl1
3	83.5	20.0	888	US-09-077-940A-4	Sequence 4, Appl1
4	81.5	19.5	1257	US-08-340-428B-49	Sequence 49, Appl1
5	81	19.4	158	US-09-252-991A-24956	Sequence 24956, A
6	79	18.9	195	US-09-252-991A-29314	Sequence 29314, A
7	77	18.4	122	US-09-462-606-65	Sequence 65, Appl1
8	77	18.4	546	US-09-252-991A-19122	Sequence 19122, A
9	74	17.7	495	US-09-252-991A-31949	Sequence 31949, A
10	73.5	17.6	887	US-09-077-940A-2	Sequence 2, Appl1
11	72	17.2	440	US-08-430-286A-9	Sequence 9, Appl1
12	71.5	17.1	604	US-08-468-576B-12	Sequence 12, Appl1
13	71.5	17.1	604	US-08-468-576B-12	Sequence 12, Appl1
14	71.5	17.1	604	US-08-468-576B-12	Sequence 12, Appl1
15	71.5	17.1	2441	US-08-194-468-2	Sequence 2, Appl1
16	71.5	17.1	2441	US-08-961-739-2	Sequence 2, Appl1
17	71.5	17.1	2441	US-09-514-247A-8	Sequence 8, Appl1
18	71	17.0	803	US-09-252-991A-30479	Sequence 30479, A
19	70	16.7	2321	US-09-230-652-2	Sequence 2, Appl1
20	69.5	16.6	344	US-09-147-236-11	Sequence 11, Appl1
21	69.5	16.6	344	US-09-522-474-11	Sequence 11, Appl1
22	69.5	16.6	432	US-08-615-170-21	Sequence 21, Appl1
23	69.5	16.6	433	US-08-615-170-19	Sequence 19, Appl1
24	68.5	16.4	115	US-09-461-697-58	Sequence 58, Appl1
25	68.5	16.4	132	US-09-461-697-54	Sequence 54, Appl1
26	68.5	16.4	139	US-09-461-697-52	Sequence 52, Appl1
27	68.5	16.4	159	US-09-461-697-48	Sequence 48, Appl1

28	68.5	16.4	221	US-09-252-991A-26404	Sequence 26404, A
29	68	16.3	325	US-09-252-991A-26580	Sequence 26580, A
30	68	16.3	2972	US-09-579-181-2	Sequence 2, Appl1
31	68	16.3	3118	US-09-579-181-1	Sequence 1, Appl1
32	67.5	16.1	123	US-08-840-316-3	Sequence 3, Appl1
33	67.5	16.1	123	US-08-478-507-9	Sequence 9, Appl1
34	67.5	16.1	123	US-08-809-523-3	Sequence 3, Appl1
35	67.5	16.1	123	US-09-128-275A-9	Sequence 9, Appl1
36	67.5	16.1	123	US-08-471-971-3	Sequence 3, Appl1
37	67.5	16.1	123	US-09-553-427-9	Sequence 9, Appl1
38	67.5	16.1	123	US-09-462-606-13	Sequence 13, Appl1
39	67.5	16.1	123	US-09-462-606-59	Sequence 59, Appl1
40	67.5	16.1	123	US-09-462-606-60	Sequence 60, Appl1
41	67.5	16.1	123	US-09-462-606-62	Sequence 62, Appl1
42	67.5	16.1	123	US-09-462-606-63	Sequence 63, Appl1
43	67.5	16.1	123	US-09-462-606-64	Sequence 64, Appl1
44	67.5	16.1	123	US-09-402-776-3	Sequence 3, Appl1
45	67.5	16.1	123	US-09-172-699-4	Sequence 4, Appl1

ALIGNMENTS

RESULT 1
US-09-630-155-1
; Sequence 1, Application US/09630155
; Patent No. 6414130
GENERAL INFORMATION:
; APPLICANT: Doherty, Jonl Kristin and Gail M. Clinton
; TITLE OF INVENTION: HER-2 BINDING ANTAGONISTS
; NUMBER OF SEQUENCES: 9
; CORRESPONDENCE ADDRESSES:
; ADDRESSEE: DAVIS WRIGHT TREMAINE LLP
; STREET: 1501 Fourth Avenue, 2600 Century Square
; CITY: Seattle
; STATE: Washington
; COUNTRY: U.S.A.
; ZIP: 98101
COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: PC compatible
; OPERATING SYSTEM: Windows95
; SOFTWARE: word
CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/09/630,155
; FILING DATE: 16-Jan-2001
; CLASSIFICATION: <Unknown>
; ATTORNEY/AGENT INFORMATION:
; NAME: Davison, Barry L.
; REGISTRATION NUMBER: 47,309
; REFERENCE/DOCKET NUMBER: 49321-10
TELECOMMUNICATION INFORMATION:
; TELEPHONE: 206 628-7621
; TELEFAX: 206 628-7699
; INFORMATION FOR SEQ ID NO: 1:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 79
; TYPE: amino acid
; STRANDEDNESS: single
; TOPOLOGY: unknown
; MOLECULE TYPE: HER-2 ECD antagonist
; SEQUENCE DESCRIPTION: SEQ ID NO: 1:
US-09-630-155-1
Query Match 100.0%; Score 418; DB 4; Length 79;
Best Local Similarity 100.0%; Pred. No. 6.6e-42;
Matches 79; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
QY 1 GTHSLPRPAAVPLRMQGPAPVLSFLRPSMDLVSAFYSLPLAPLSTVPSVSV 60
Db 1 GTHSLPRPAAVPLRMQGPAPVLSFLRPSMDLVSAFYSLPLAPLSTVPSVSV 60
QY 61 GRGPDPAHVAVNLSTRYEG 79

DB 61 GRGPDPAHVAVNLSTREG 79

RESULT 2
US-09-630-155-2

Sequence 2, Application US/09630155
Patent No. 6414130

GENERAL INFORMATION:

APPLICANT: Doherty, Joni Kristin and Gail M. Clinton
TITLE OF INVENTION: HER-2 BINDING ANTAGONISTS

NUMBER OF SEQUENCES: 9
CORRESPONDENCE ADDRESS:

ADDRESSEE: DAVIS WRIGHT TREMAINE LLP
STREET: 1501 Fourth Avenue, 2600 Century Square

CITY: Seattle
STATE: Washington

COUNTRY: U.S.A.
ZIP: 98101

COMPUTER READABLE FORM:

MEDIUM TYPE: Floppy disk
COMPUTER: PC compatible

OPERATING SYSTEM: Windows95
SOFTWARE: Word

CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/09/630,155

FILING DATE: 16-Jan-2001
CLASSIFICATION: <Unknown>

ATTORNEY/AGENT INFORMATION:
NAME: Davison, Barry L.

REGISTRATION NUMBER: 47,309
REFERENCE/DOCKET NUMBER: 49321-10

TELECOMMUNICATION INFORMATION:
TELEPHONE: 206 628-7621

TELEFAX: 206 628-7699
INFORMATION FOR SEQ ID NO: 2:

SEQUENCE CHARACTERISTICS:
LENGTH: 419

TYPE: amino acid
STRANDEDNESS: single

TOPOLOGY: unknown
MOLECULE TYPE: polypeptide

SEQUENCE DESCRIPTION: SEQ ID NO: 2:
US-09-630-155-2

Query Match 100.0%; Score 418; DB 4; Length 419;

Best Local Similarity 100.0%; Pred. No. 5,4e-41;
Matches 79; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 GTHSLPRRAVVPRLRMQPGPAHPVLSFLRPSMDLVSAFYSPLAPLSPTSPVPSV 60

DB 341 GTHSLPRRAVVPRLRMQPGPAHPVLSFLRPSMDLVSAFYSPLAPLSPTSPVPSV 400

QY 61 GRGPDPAHVAVNLSTREG 79

DB 401 GRGPDPAHVAVNLSTREG 419

RESULT 3
US-09-077-940A-4

Sequence 4, Application US/09077940A
Patent No. 6576441

GENERAL INFORMATION:

APPLICANT: KIMURA, Toru et al.
TITLE OF INVENTION: NOVEL SEMAPHORIN 2 AND GENE ENCODING THE SAME

FILE REFERENCE: 0020-4426P
CURRENT APPLICATION NUMBER: US/09/077,940A

CURRENT FILING DATE: 1998-06-05
NUMBER OF SEQ ID NOS: 20

SOFTWARE: PatentIn version 3.1
SEQ ID NO 4

LENGTH: 888
TYPE: PRT

ORGANISM: Homo sapiens
US-09-077-940A-4

Query Match 20.0%; Score 83.5; DB 4; Length 888;
Best Local Similarity 35.4%; Pred. No. 0.18;
Matches 28; Conservative 7; Mismatches 33; Indels 11; Gaps 5;

QY 1 GTH---SLPRRAVVPRLRMQPGPAHPVLSFLRP-SWD---LVSAFYSPLAPLSPT 51

DB 698 GPHDLSGLLPTEQPTLPQKRLPTP-HPHPALGPRAWHDGHPILPASASSLLLLAPA 756

QY 52 SVPIPSVSGRGPDPDAH 70

DB 757 RAPEQPPAPGE-PTPDGRL 774

RESULT 4
US-08-340-428B-49

Sequence 49, Application US/08340428B
Patent No. 5648465

GENERAL INFORMATION:
APPLICANT: MARGOLIS, Richard U.

APPLICANT: RAUCH, Uwe
APPLICANT: MARGOLIS, Renee K.

TITLE OF INVENTION: CLONING, EXPRESSION AND USES FOR A
TITLE OF INVENTION: NEUROCAN AS A CHONDROITIN SULFATE PROTEOGLYCAN

NUMBER OF SEQUENCES: 49
CORRESPONDENCE ADDRESS:

ADDRESSEE: Broadway and Nelmark
STREET: 419 seventh Street, N.W.

CITY: Washington
STATE: D.C.

COUNTRY: U.S.A.
ZIP: 20004

COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk

COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS

SOFTWARE: PatentIn Release #1.0, Version #1.25
CURRENT APPLICATION DATA:

APPLICATION NUMBER: US/08/340,428B
FILING DATE: 14 No. 5648465ember 1994

CLASSIFICATION: 514
PRIOR APPLICATION DATA:

APPLICATION NUMBER: 07/922,911
FILING DATE: 03 August 1992

CLASSIFICATION: 514
ATTORNEY/AGENT INFORMATION:

NAME: Broadway, Roger L.
REGISTRATION NUMBER: 25,618

REFERENCE/DOCKET NUMBER: Margolis-1A
TELECOMMUNICATION INFORMATION:

TELEPHONE: 202-628-5197
TELEFAX: 202-737-3528

INFORMATION FOR SEQ ID NO: 49:
SEQUENCE CHARACTERISTICS:

LENGTH: 1257 amino acids
TYPE: amino acid

STRANDEDNESS: single
TOPOLOGY: linear

MOLECULE TYPE: peptide
US-08-340-428B-49

Query Match 19.5%; Score 81.5; DB 1; Length 1257;
Best Local Similarity 35.0%; Pred. No. 0.48;

Matches 28; Conservative 10; Mismatches 25; Indels 17; Gaps 5;

QY 4 SLPRRAVVPRLRMQPG---PAHPVLSFLR-----PSMDLVSAFYSPLAPLS--PT 51

DB 610 SSIPSEALSAVSIQSPGSDPFPVAMLRAPIKMLLPHSFLVNVSPILSPASPAPS 669

QY 52 SVP---ISPVSGRGPDPD 67

DB 52 SVP---ISPVSGRGPDPD 67

DB 670 SYPEQAVPVSEFG-AEDPE 688

RESULT 5

US-09-252-991A-24956
; Sequence 24956, Application US/09252991A
; Patent No. 6551795
; GENERAL INFORMATION:
; APPLICANT: Marc J. Rubenfield et al.
; TITLE OF INVENTION: NUCLEIC ACID AND AMINO ACID SEQUENCES RELATING TO PSEUDOMONAS
; FILE REFERENCE: 107196.136
; CURRENT APPLICATION NUMBER: US/09/252,991A
; PRIOR FILING DATE: 1999-02-18
; PRIOR APPLICATION NUMBER: US 60/074,788
; PRIOR FILING DATE: 1998-02-18
; PRIOR APPLICATION NUMBER: US 60/094,190
; NUMBER OF SEQ ID NOS: 33142
; SEQ ID NO 24956
; LENGTH: 158
; TYPE: PRT
; ORGANISM: Pseudomonas aeruginosa
US-09-252-991A-24956

Query Match 19.4%; Score 81; DB 4; Length 158;
Best Local Similarity 36.2%; Pred. No. 0.04;
Matches 25; Conservative 8; Mismatches 28; Indels 8; Gaps 3;

QY 6 LPR-----AAVPLRMQPGPAHVLSFLRPSMDLVSAFYSLPL-APLSPTSPISV 58
DB 87 LPSPPPPPPL 146
QY 59 SV-GRGPP 66
DB 147 SLSSSSPSP 155

RESULT 6

US-09-252-991A-29314
; Sequence 29314, Application US/09252991A
; Patent No. 6551795
; GENERAL INFORMATION:
; APPLICANT: Marc J. Rubenfield et al.
; TITLE OF INVENTION: NUCLEIC ACID AND AMINO ACID SEQUENCES RELATING TO PSEUDOMONAS
; FILE REFERENCE: 107196.136
; CURRENT APPLICATION NUMBER: US/09/252,991A
; PRIOR FILING DATE: 1999-02-18
; PRIOR APPLICATION NUMBER: US 60/074,788
; PRIOR FILING DATE: 1998-02-18
; PRIOR APPLICATION NUMBER: US 60/094,190
; PRIOR FILING DATE: 1998-07-27
; NUMBER OF SEQ ID NOS: 33142
; SEQ ID NO 29314
; LENGTH: 195
; TYPE: PRT
; ORGANISM: Pseudomonas aeruginosa
US-09-252-991A-29314

Query Match 18.9%; Score 79; DB 4; Length 195;
Best Local Similarity 37.9%; Pred. No. 0.09;
Matches 25; Conservative 1; Mismatches 30; Indels 10; Gaps 3;

QY 1 GTHSLPRPAVPLRMQPGPAHVLSFLRPSMDLVSAFYSLPLAPLSPTSPISV 60
DB 19 GRHTAPRAAVPDP---QPA-RHGPAPVRP-----RAAPQAPAPALPLPTLPGRH 68
QY 61 GRGPP 66
DB 69 GRGPP 74

RESULT 7

US-09-462-606-65
; Sequence 65, Application US/09462606
; Patent No. 6432408
; GENERAL INFORMATION:
; APPLICANT: MENG, XIANG-JIN
; APPLICANT: Emerson, Suzanne U.
; APPLICANT: Purcell, Robert H.
; TITLE OF INVENTION: A SWINE HEPATITIS E VIRUS AND USES THEREOF
; FILE REFERENCE: 20264267U1
; CURRENT APPLICATION NUMBER: US/09/462,606
; PRIOR FILING DATE: 2000-06-12
; PRIOR APPLICATION NUMBER: US 60/053069
; PRIOR FILING DATE: 1997-07-18
; PRIOR APPLICATION NUMBER: PCT/US98/14665
; PRIOR FILING DATE: 1998-07-17
; NUMBER OF SEQ ID NOS: 65
; SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 65
; LENGTH: 122
; TYPE: PRT
; ORGANISM: Hepatitis E virus
US-09-462-606-65

Query Match 18.4%; Score 77; DB 4; Length 122;
Best Local Similarity 36.1%; Pred. No. 0.086;
Matches 22; Conservative 10; Mismatches 23; Indels 6; Gaps 3;

QY 1 GTHSLPRPAVPLRMQPGPAHVLSFLRPSMDLVSAFYSLPLAPLSPTSPISV 57
DB 55 GVTGLTSPS--PSPFIQPTSLP-MSFHNFGLEALDSRAPAPLAPVTSPSAPLPP 111
QY 58 V 58
DB 112 V 112

RESULT 8

US-09-252-991A-19122
; Sequence 19122, Application US/09252991A
; Patent No. 6551795
; GENERAL INFORMATION:
; APPLICANT: Marc J. Rubenfield et al.
; TITLE OF INVENTION: NUCLEIC ACID AND AMINO ACID SEQUENCES RELATING TO PSEUDOMONAS
; FILE REFERENCE: 107196.136
; CURRENT APPLICATION NUMBER: US/09/252,991A
; PRIOR FILING DATE: 1999-02-18
; PRIOR APPLICATION NUMBER: US 60/074,788
; PRIOR FILING DATE: 1998-02-18
; PRIOR APPLICATION NUMBER: US 60/094,190
; PRIOR FILING DATE: 1998-07-27
; NUMBER OF SEQ ID NOS: 33142
; SEQ ID NO 19122
; LENGTH: 546
; TYPE: PRT
; ORGANISM: Pseudomonas aeruginosa
US-09-252-991A-19122

Query Match 18.4%; Score 77; DB 4; Length 546;
Best Local Similarity 31.2%; Pred. No. 0.57;
Matches 24; Conservative 14; Mismatches 25; Indels 14; Gaps 4;

QY 3 HSLPRPAVPLRMQPGPAHVLSFLRPSMDLVSAFYSLPLAPLSPTSPISV 61
DB 42 HALVGAGGOLPLALRFPG--TPVAL-----QVGLLOGLPAPVAPGAVOPARILRG 92
QY 62 R-----GPPDAHVAVNL 74
DB 93 RGLLAGADHEAHLGVHV 109

RESULT 9

US-09-252-991A-31949
Sequence 31949, Application US/09252991A
Patent No. 6551795
GENERAL INFORMATION:
APPLICANT: Marc J. Rubenfield et al.
TITLE OF INVENTION: NUCLEIC ACID AND AMINO ACID SEQUENCES RELATING TO PSEUDOMONAS
FILE REFERENCE: 107196.136
CURRENT APPLICATION NUMBER: US/09/252,991A
CURRENT FILING DATE: 1999-02-18
PRIOR APPLICATION NUMBER: US 60/074,788
PRIOR FILING DATE: 1998-02-18
PRIOR APPLICATION NUMBER: US 60/094,190
PRIOR FILING DATE: 1998-07-27
NUMBER OF SEQ ID NOS: 33142
SEQ ID NO 31949
LENGTH: 495
TYPE: PRT
ORGANISM: Pseudomonas aeruginosa
US-09-252-991A-31949

Query Match 17.7%; Score 74; DB 4; Length 495;
Best Local Similarity 39.1%; Pred. No. 1.1;
Matches 25; Conservative 9; Mismatches 24; Indels 6; Gaps 4;

OY 8 RPAVPVPLRMQPGPAHVSFL--RPSMDLYSAFYSLLPLASTVSIPSVYGRGPD 65
DB 284 RPAQPRP-GAGPGPARVATGVARPPAGDALAA--SARPARI-PTLRSAAPPDAAPGA 339

OY 66 PDAH 69
DB 340 PIPH 343

RESULT 10
US-09-077-940A-2
Sequence 2, Application US/09077940A
Patent No. 6576441

GENERAL INFORMATION:

APPLICANT: KIMURA, Toru et al.

TITLE OF INVENTION: NOVEL SEMAPHORIN 2 AND GENE ENCODING THE SAME

FILE REFERENCE: 0020-4426P

CURRENT APPLICATION NUMBER: US/09/077,940A

CURRENT FILING DATE: 1998-06-05

NUMBER OF SEQ ID NOS: 20

SOFTWARE: PatentIn version 3.1

SEQ ID NO 2

LENGTH: 887

TYPE: PRT

ORGANISM: Rattus norvegicus

US-09-077-940A-2

Query Match 17.6%; Score 73.5; DB 4; Length 887;
Best Local Similarity 36.0%; Pred. No. 2.7;
Matches 27; Conservative 6; Mismatches 31; Indels 11; Gaps 5;

OY 1 GTH----SLRRPAVPLRMQPGPAHVSFLRP--SMD--LYSAFYSLLPLASPT 51
DB 699 GPHLDLCLPTPEGTPLPQRRLP-TTHPHAHAGPRAMDSHALLSASASTSILLAH 757

OY 52 SVPTS-PVSVGRGPD 65
DB 758 RAPEOPPVPTESGPE 772

RESULT 11
US-08-430-286A-9
Sequence 9, Application US/08430286A
Patent No. 6225080

GENERAL INFORMATION:

APPLICANT: Uhl, George R.

APPLICANT: Eppler, C. Mark

APPLICANT: Wang, Jai-Bel

TITLE OF INVENTION: Mu-Subtype Opioid Receptor
NUMBER OF SEQUENCES: 14
CORRESPONDENCE ADDRESS:
ADDRESSEE: Darby & Darby PC
STREET: 805 Third Avenue
CITY: New York
STATE: New York
COUNTRY: US

ZIP: 10022

COMPUTER READABLE FORM:

MEDIUM TYPE: Floppy disk

COMPUTER: IBM PC compatible

OPERATING SYSTEM: PC-DOS/MS-DOS

SOFTWARE: PatentIn Release #1.0, Version #1.25

CURRENT APPLICATION DATA:

APPLICATION NUMBER: US/08/430,286A

FILING DATE: 28-APR-1995

CLASSIFICATION: 536

ATTORNEY/AGENT INFORMATION:

NAME: Robinson, Joseph R.

REGISTRATION NUMBER: 33,448

REFERENCE/DOCKET NUMBER: 0646/1A843-US5

TELECOMMUNICATION INFORMATION:

TELEPHONE: 212-527-7700

TELEFAX: 212-753-6237

TELEX: 236687

INFORMATION FOR SEQ ID NO: 9:

SEQUENCE CHARACTERISTICS:

LENGTH: 440 amino acids

TYPE: amino acid

STRANDEDNESS: single

TOPOLOGY: linear

FRAGMENT TYPE: N-terminal

ORIGINAL SOURCE:

ORGANISM: Homo sapiens

IMMEDIATE SOURCE:

CLONE: OPB-R

US-08-430-286A-9

Query Match 17.2%; Score 72; DB 3; Length 440;
Best Local Similarity 45.2%; Pred. No. 1.7;
Matches 19; Conservative 5; Mismatches 10; Indels 8; Gaps 3;

OY 2 THSLRPAVPLRMQPGPAHVSFLRPSMDLYSAFYSLL 43
DB 32 TASPSPAPSWTPSP--RPGPAHP--FLQPPMAV--ALMSL 65

RESULT 12
US-08-468-576B-12
Sequence 12, Application US/08468576B
Patent No. 5955345

GENERAL INFORMATION:

APPLICANT: Rabin, Daniel

TITLE OF INVENTION: PANCREATIC ISLET CELL ANTIGENS

TITLE OF INVENTION: OBTAINED BY MOLECULAR CLONING

NUMBER OF SEQUENCES: 19

CORRESPONDENCE ADDRESS:

ADDRESSEE: Sprung Kramer Schaefer & Briscoe

STREET: 660 White Plains Road

CITY: Tarrytown

STATE: New York

COUNTRY: USA

ZIP: 10591-5144

COMPUTER READABLE FORM:

MEDIUM TYPE: Diskette, 3.50 inch, 1.4 Mb storage

COMPUTER: Apple Macintosh

OPERATING SYSTEM: System 7.5

SOFTWARE: MotifPerfect

CURRENT APPLICATION DATA:

APPLICATION NUMBER: US/08/468,576B

FILING DATE: 06-JUN-1995

CLASSIFICATION: 435

PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 08/239,276
FILING DATE: 05-MAY-1994
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 07/872,646
FILING DATE: 08-JUN-1992
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 07/715,181
FILING DATE: 14-JUN-1991
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 07/441,703
FILING DATE: 04-DEC-1989
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 07/312,543
FILING DATE: 17-FEB-1989
ATTORNEY/AGENT INFORMATION:
NAME: KURT G. BRISCOE
REGISTRATION NUMBER: 33,141
REFERENCE/DOCKET NUMBER: MDI 251.7-KGB
TELECOMMUNICATION INFORMATION:
TELEPHONE: (914) 332-1700
TELEFAX: (914) 332-1844
INFORMATION FOR SEQ. ID NO: 12:
SEQUENCE CHARACTERISTICS:
LENGTH: 604 amino acids
TYPE: amino acid
TOPOLOGY: linear
US-08-468-576B-12

Query Match 17.1%; Score 71.5; DB 2; Length 604;
Best Local Similarity 34.8%; Pred. No. 2.8;
Matches 23; Conservative 13; Mismatches 27; Indels 3; Gaps 2;

QY 10 AAVPVPLRMQPGAHVLSRLRSMVLVSFAFSLPLAPISPTSVPSV--SVGRPPDD 67
DB 421 AAOPLLSRPKTAEPVKSPFTPTQNLFPASKTSPVNLPKKSSIP-SPIGGSLGRSSSD 479
QY 68 AHVAVN 73
DB 480 ILSSLN 485

RESULT 13
US-08-468-579B-12
Sequence 12, Application US/08468579B
Patent No. 5981700
GENERAL INFORMATION:
APPLICANT: Rabin, Daniel
TITLE OF INVENTION: PANCREATIC ISLET CELL ANTIGENS
TITLE OF INVENTION: OBTAINED BY MOLECULAR CLONING
NUMBER OF SEQUENCES: 19
CORRESPONDENCE ADDRESS:
ADDRESSEE: Sprung Kramer Schaefer & Briscoe
STREET: 660 White Plains Road
CITY: Tarrytown
STATE: New York
COUNTRY: USA
ZIP: 10591-5144
COMPUTER READABLE FORM:
MEDIUM TYPE: Diskette, 3.50 inch, 1.4 Mb storage
OPERATING SYSTEM: System 7.5
SOFTWARE: Wordperfect
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/468,579B
FILING DATE: 06-JUN-1995
CLASSIFICATION: 530
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 08/239,276
FILING DATE: 05-MAY-1994
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 07/872,646
FILING DATE: 08-JUN-1992

PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 07/715,181
FILING DATE: 14-JUN-1991
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 07/441,703
FILING DATE: 04-DEC-1989
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 07/312,543
FILING DATE: 17-FEB-1989
ATTORNEY/AGENT INFORMATION:
NAME: KURT G. BRISCOE
REGISTRATION NUMBER: 33,141
REFERENCE/DOCKET NUMBER: MDI 251.5-KGB
TELECOMMUNICATION INFORMATION:
TELEPHONE: (914) 332-1700
TELEFAX: (914) 332-1844
INFORMATION FOR SEQ. ID NO: 12:
SEQUENCE CHARACTERISTICS:
LENGTH: 604 amino acids
TYPE: amino acid
TOPOLOGY: linear
US-08-468-579B-12

Query Match 17.1%; Score 71.5; DB 2; Length 604;
Best Local Similarity 34.8%; Pred. No. 2.8;
Matches 23; Conservative 13; Mismatches 27; Indels 3; Gaps 2;

QY 10 AAVPVPLRMQPGAHVLSRLRSMVLVSFAFSLPLAPISPTSVPSV--SVGRPPDD 67
DB 421 AAOPLLSRPKTAEPVKSPFTPTQNLFPASKTSPVNLPKKSSIP-SPIGGSLGRSSSD 479
QY 68 AHVAVN 73
DB 480 ILSSLN 485

RESULT 14
US-08-468-577B-12
Sequence 12, Application US/08468577B
Patent No. 6001804
GENERAL INFORMATION:
APPLICANT: Rabin, Daniel
TITLE OF INVENTION: PANCREATIC ISLET CELL ANTIGENS
TITLE OF INVENTION: OBTAINED BY MOLECULAR CLONING
NUMBER OF SEQUENCES: 19
CORRESPONDENCE ADDRESS:
ADDRESSEE: Sprung Kramer Schaefer & Briscoe
STREET: 660 White Plains Road
CITY: Tarrytown
STATE: New York
COUNTRY: USA
ZIP: 10591-5144
COMPUTER READABLE FORM:
MEDIUM TYPE: Diskette, 3.50 inch, 1.4 Mb storage
OPERATING SYSTEM: System 7.5
SOFTWARE: Wordperfect
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/468,577B
FILING DATE: 06-JUN-1995
CLASSIFICATION: 514
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 08/239,276
FILING DATE: 05-MAY-1994
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 07/872,646
FILING DATE: 08-JUN-1992
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 07/715,181
FILING DATE: 14-JUN-1991
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 07/441,703
FILING DATE: 04-DEC-1989

PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 07/312,543
FILING DATE: 17-FEB-1989
ATTORNEY/AGENT INFORMATION:
NAME: Kurt G. Briscoe
REGISTRATION NUMBER: 33,141
REFERENCE/DOCKET NUMBER: MDI 251.8-KGB
TELECOMMUNICATION INFORMATION:
TELEPHONE: (914) 332-1700
TELEFAX: (914) 332-1844
INFORMATION FOR SEQ ID NO: 12:
SEQUENCE CHARACTERISTICS:
LENGTH: 604 amino acids
TYPE: amino acid
TOPOLOGY: linear
US-08-468-577B-12

Query Match 17.1%; Score 71.5; DB 3; Length 604;
Best Local Similarity 34.8%; Pred. No. 2.8; Mismatches 27; Indels 3; Gaps 2;
Matches 23; Conservative 13; Mismatches 27; Indels 3; Gaps 2;

QY 10 AAVPVPLRMQPGPAHPVLSFLRPSMDLVSAFYSLPLAPLSPTSVPISPV--SVGRGPPDP 67
DB 421 AAOPLNLSRPTAEPTKSPPTQNLFPASKTSPVNLPNKSSIP-SPIGGSLGREGSLD 479

QY 68 AHVAVN 73
DB 480 ILSSLN 485

RESULT 15

US-08-194-468-2
Sequence 2, Application US/08194468
Patent No. 5750336

GENERAL INFORMATION:

APPLICANT: Montminy, Marc R.

TITLE OF INVENTION: ASSAYS FOR THE IDENTIFICATION OF

TITLE OF INVENTION: COMPOUNDS WHICH INHIBIT ACTIVATION OF CAMP AND MITOGEN

TITLE OF INVENTION: RESPONSIVE GENES

NUMBER OF SEQUENCES: 3

CORRESPONDENCE ADDRESS:

ADDRESSEE: Pretty, Schroeder, Brueggemann & Clark

STREET: 444 South Flower Street, Suite 2000

CITY: Los Angeles

STATE: California

COUNTRY: USA

ZIP: 90071

COMPUTER READABLE FORM:

MEDIUM TYPE: Floppy disk

COMPUTER: IBM PC compatible

OPERATING SYSTEM: PC-DOS/MS-DOS

SOFTWARE: Patent Release #1.0, Version #1.25

CURRENT APPLICATION DATA:

APPLICATION NUMBER: US/08/194,468

FILING DATE: 10-FEB-1994

CLASSIFICATION: 435

ATTORNEY/AGENT INFORMATION:

NAME: Reiter, Stephen E.

REGISTRATION NUMBER: 31,192

REFERENCE/DOCKET NUMBER: P41 9672

TELECOMMUNICATION INFORMATION:

TELEPHONE: (619)-546-4737

TELEFAX: (619)-546-9392

INFORMATION FOR SEQ ID NO: 2:

SEQUENCE CHARACTERISTICS:

LENGTH: 2441 amino acids

TYPE: amino acid

TOPOLOGY: linear

Matches 23; Conservative 4; Mismatches 33; Indels 3; Gaps 2;
QY 4 SILPRPAVPLRMQPGPAHPVLSFLRPSMDLVSAFYSLPLAPLSPTSVPISPVSVGRG 63
DB 843 SQLPCRPVTPQSLHPTPPASTAAG--PSLGHPTAPGWTTPQAPAPIQ-PSTPVSSGOT 899

QY 64 PDP 66
DB 900 PTP 902

Search completed: September 3, 2003, 16:42:09
Job time: 7.50402 secs

Query Match 17.1%; Score 71.5; DB 1; Length 2441;
Best Local Similarity 36.5%; Pred. No. 16;

GenCore version 5.1.6
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OM protein - protein search, using sw model

Run on: September 3, 2003, 16:40:57 ; Search time 6.66265 Seconds
(Without alignments)
1628.029 Million cell updates/sec

Title: US-09-234-208b-1
Perfect score: 418
Sequence: 1 GTHSLRPAAVFPVLRMP.....VGRGPDPAHVAVNLSRYEG 79

Scoring table: BLOSUM62
Gapop 10.0 , Gapext 0.5

Searched: 513375 seqs, 137303645 residues

Total number of hits satisfying chosen parameters: 513375

Minimum DB seq length: 0

Maximum DB seq length: 200000000

Post-processing: Minimum Match 0%

Maximum Match 100%

Database: Published_Applications_AA:*

1: /cgn2_6/ptodata/1/pubppa/US07_PUBCOMB.pep:*\n2: /cgn2_6/ptodata/1/pubppa/PC7_NEW_PUB.pep:*\n3: /cgn2_6/ptodata/1/pubppa/US06_NEW_PUB.pep:*\n4: /cgn2_6/ptodata/1/pubppa/US06_PUBCOMB.pep:*\n5: /cgn2_6/ptodata/1/pubppa/US07_NEW_PUB.pep:*\n6: /cgn2_6/ptodata/1/pubppa/PC7US_PUBCOMB.pep:*\n7: /cgn2_6/ptodata/1/pubppa/US08_NEW_PUB.pep:*\n8: /cgn2_6/ptodata/1/pubppa/US08_PUBCOMB.pep:*\n9: /cgn2_6/ptodata/1/pubppa/US09_PUBCOMB.pep:*\n10: /cgn2_6/ptodata/1/pubppa/US09_PUBCOMB.pep:*\n11: /cgn2_6/ptodata/1/pubppa/US09_NEW_PUB.pep:*\n12: /cgn2_6/ptodata/1/pubppa/US10_PUBCOMB.pep:*\n13: /cgn2_6/ptodata/1/pubppa/US10_PUBCOMB.pep:*\n14: /cgn2_6/ptodata/1/pubppa/US10_PUBCOMB.pep:*\n15: /cgn2_6/ptodata/1/pubppa/US10_PUBCOMB.pep:*\n16: /cgn2_6/ptodata/1/pubppa/US60_NEW_PUB.pep:*\n17: /cgn2_6/ptodata/1/pubppa/US60_PUBCOMB.pep:*\n18: /cgn2_6/ptodata/1/pubppa/US60_PUBCOMB.pep:*

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	Query Match	Length	ID	Description
1	86	20.6	459	11	US-09-468-147-206 Sequence 206, App
2	86	20.6	459	11	US-09-468-147-207 Sequence 207, App
3	83.5	20.0	888	11	US-09-931-836-35 Sequence 35, Appl
4	83.5	20.0	888	12	US-10-035-977-35 Sequence 35, Appl
5	83.5	20.0	888	12	US-10-137-870-544 Sequence 544, App
6	83.5	20.0	888	12	US-10-140-018-544 Sequence 544, App
7	83.5	20.0	888	12	US-10-140-021-544 Sequence 544, App
8	83.5	20.0	888	12	US-10-140-274-544 Sequence 544, App
9	83.5	20.0	888	12	US-10-140-471-544 Sequence 544, App
10	83.5	20.0	888	12	US-10-140-807-544 Sequence 544, App
11	83.5	20.0	888	12	US-10-140-922-544 Sequence 544, App
12	83.5	20.0	888	12	US-10-140-924-544 Sequence 544, App
13	83.5	20.0	888	12	US-10-140-926-544 Sequence 544, App
14	83.5	20.0	888	12	US-10-141-698-544 Sequence 544, App
15	83.5	20.0	888	12	US-10-141-702-544 Sequence 544, App

16	83.5	20.0	888	12	US-10-141-704-544	Sequence 544, App
17	83.5	20.0	888	12	US-10-142-421-544	Sequence 544, App
18	83.5	20.0	888	12	US-10-142-432-544	Sequence 544, App
19	83.5	20.0	888	12	US-10-142-767-544	Sequence 544, App
20	83.5	20.0	888	12	US-10-143-033-544	Sequence 544, App
21	83.5	20.0	888	12	US-10-144-994-544	Sequence 544, App
22	83.5	20.0	888	12	US-10-145-628-544	Sequence 544, App
23	83.5	20.0	888	12	US-10-145-631-544	Sequence 544, App
24	83.5	20.0	888	12	US-10-145-633-544	Sequence 544, App
25	83.5	20.0	888	12	US-10-145-746-544	Sequence 544, App
26	83.5	20.0	888	12	US-10-145-748-544	Sequence 544, App
27	83.5	20.0	888	12	US-10-145-823-544	Sequence 544, App
28	83.5	20.0	888	12	US-10-145-826-544	Sequence 544, App
29	83.5	20.0	888	12	US-10-145-870-544	Sequence 544, App
30	83.5	20.0	888	12	US-10-145-876-544	Sequence 544, App
31	83.5	20.0	888	12	US-10-145-959-544	Sequence 544, App
32	83.5	20.0	888	12	US-10-146-724-544	Sequence 544, App
33	83.5	20.0	888	12	US-10-146-725-544	Sequence 544, App
34	83.5	20.0	888	12	US-10-146-795-544	Sequence 544, App
35	83.5	20.0	888	12	US-10-147-495-544	Sequence 544, App
36	83.5	20.0	888	12	US-10-147-501-544	Sequence 544, App
37	83.5	20.0	888	12	US-10-147-504-544	Sequence 544, App
38	83.5	20.0	888	12	US-10-147-506-544	Sequence 544, App
39	83.5	20.0	888	12	US-10-147-509-544	Sequence 544, App
40	83.5	20.0	888	12	US-10-147-510-544	Sequence 544, App
41	83.5	20.0	888	12	US-10-147-511-544	Sequence 544, App
42	83.5	20.0	888	12	US-10-147-529-544	Sequence 544, App
43	83.5	20.0	888	12	US-10-152-397-544	Sequence 544, App
44	83.5	20.0	888	12	US-10-153-586-544	Sequence 544, App
45	83.5	20.0	888	12	US-10-158-783-544	Sequence 544, App

ALIGNMENTS

RESULT 1
US-09-468-147-206
; Sequence 206, Application US/09468147A
; Publication No. US20030049601A1
; GENERAL INFORMATION:
; APPLICANT: Abbott Laboratories
; APPLICANT: Schauder, George G.
; APPLICANT: Erker, James C.
; APPLICANT: Desai, Suresh M.
; APPLICANT: Dawson, George J.
; APPLICANT: Mushahwar, I. K.
; TITLE OF INVENTION: METHODS AND COMPOSITIONS FOR DETECTING
; FILE REFERENCE: 6232.US.P1
; CURRENT APPLICATION NUMBER: US/09/468,147A
; CURRENT FILING DATE: 1999-12-21
; EARLIER APPLICATION NUMBER: US 09/173,141
; EARLIER FILING DATE: 1998-10-15
; EARLIER APPLICATION NUMBER: US 60/061,199
; EARLIER FILING DATE: 1997-10-15
; NUMBER OF SEQ ID NOS: 258
; SOFTWARE: FastSeq for Windows Version 3.0
; SEQ ID NO 206
; LENGTH: 459
; TYPE: PRT
; ORGANISM: Hepatitis E Virus
; FEATURE:
; OTHER INFORMATION: CKSOF32M-3.pep
US-09-468-147-206

Query Match 20.6%, Score 86; DB 11; Length 459;
Best Local Similarity 34.2%; Pred. NO. 1.1;

Matches 27; Conservative 12; Mismatches 28; Indels 12; Gaps 4;

OY 1 GTHSLRPAAVFPVLRMPGVLSFLRPSMDYSAPLPL---SPSVYISP 57
DB 57 GTVGLTSPS--DSPRTPTPS-PPMSFNPGLALDSRPAPLAPLAVTSPSPALPP 113

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QY      58 V-----SVGRGPPDAHV 70
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Db     114 VVDLPQLGRRGADGTAEL 132

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RESULT 2
US-09-468-147-207

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Sequence 207, Application US/09468147A
Publication No. US20030049601A1
GENERAL INFORMATION:
APPLICANT: Abbott Laboratories
APPLICANT: Schlauder, George G.
APPLICANT: Erker, James C.
APPLICANT: Desai, Suresh M.
APPLICANT: Dawson, George J.
APPLICANT: Mushawar, I. K.
TITLE OF INVENTION: METHODS AND COMPOSITIONS FOR DETECTING
TITLE OF INVENTION: HEPATITIS E VIRUS
FILE REFERENCE: 6232.US.pl
CURRENT APPLICATION NUMBER: US 09/468,147A
CURRENT FILING DATE: 1999-12-21
EARLIER APPLICATION NUMBER: US 09/173,141
EARLIER FILING DATE: 1998-10-15
EARLIER APPLICATION NUMBER: US 60/061,199
EARLIER FILING DATE: 1997-10-15
NUMBER OF SEQ ID NOS: 258
SOFTWARE: FastSeq for Windows Version 3.0
SEQ ID NO 207
LENGTH: 459
TYPE: PRN
ORGANISM: Hepatitis E Virus
FEATURE:
OTHER INFORMATION: P10RF32M-14-5.pep
US-09-468-147-207

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Query Match	20.6%	Score 86;	DB 11;	length 459;
Best Local Similarity	34.2%;	Pred. NO. 1.1;		
Matches 27;	Conservative 12;	Mismatches 28;	Indels 12;	Gaps 4

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QY      58 V-----SVGRGPPDAHV 70
          | : || | | :
Db     114 VVDLPQLGRLRGADGTAEL 132
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RESULT 3
US-09-931-836-35
Sequence 35, Application US/09931836
Publication No. US2003027249A1
GENERAL INFORMATION:
APPLICANT: Desnoyers, Luc
APPLICANT: Baton, Dan L.
APPLICANT: Goddard, Audrey
APPLICANT: Godowski, Paul J.
APPLICANT: Gurney, Austin L.
APPLICANT: Pan, James
APPLICANT: Stewart, Timothy A.
APPLICANT: Watanabe, Collin K.
APPLICANT: Wood, William I.
APPLICANT: Zhang, Zemin
TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC
FILE REFERENCE: P3030R1C1
CURRENT APPLICATION NUMBER: US/09/931,836
CURRENT FILING DATE: 2001-08-16
PRIOR APPLICATION NUMBER: 60/085579
PRIOR FILING DATE: 1998-05-15
PRIOR APPLICATION NUMBER: 60/112514
PRIOR FILING DATE: 1998-12-15
PRIOR APPLICATION NUMBER: 60/113300

PRIOR FILING DATE:	1998-12-22
PRIOR APPLICATION NUMBER:	60/113430
PRIOR FILING DATE:	1998-12-23
PRIOR APPLICATION NUMBER:	60/113605
PRIOR FILING DATE:	1998-12-23
PRIOR APPLICATION NUMBER:	60/113621
PRIOR FILING DATE:	1998-12-23
PRIOR APPLICATION NUMBER:	60/114140
PRIOR FILING DATE:	1998-12-23
PRIOR APPLICATION NUMBER:	60/115552
PRIOR FILING DATE:	1999-01-12
PRIOR APPLICATION NUMBER:	60/116643
PRIOR FILING DATE:	1999-01-22
PRIOR APPLICATION NUMBER:	60/125774
PRIOR FILING DATE:	1999-03-23
PRIOR APPLICATION NUMBER:	60/125778
PRIOR FILING DATE:	1999-03-23
PRIOR APPLICATION NUMBER:	60/125826
PRIOR FILING DATE:	1999-03-24
PRIOR APPLICATION NUMBER:	60/127035
PRIOR FILING DATE:	1999-03-31
PRIOR APPLICATION NUMBER:	60/127706
PRIOR FILING DATE:	1999-04-05
PRIOR APPLICATION NUMBER:	60/129122
PRIOR FILING DATE:	1999-04-13
PRIOR APPLICATION NUMBER:	60/130359
PRIOR FILING DATE:	1999-04-21
PRIOR APPLICATION NUMBER:	60/131270
PRIOR FILING DATE:	1999-04-27
PRIOR APPLICATION NUMBER:	60/131272
PRIOR FILING DATE:	1999-04-27
PRIOR APPLICATION NUMBER:	60/131291
PRIOR FILING DATE:	1999-04-27
PRIOR APPLICATION NUMBER:	60/132371
PRIOR FILING DATE:	1999-05-04
PRIOR APPLICATION NUMBER:	60/132379
PRIOR FILING DATE:	1999-05-04
PRIOR APPLICATION NUMBER:	60/132383
PRIOR FILING DATE:	1999-05-04
PRIOR APPLICATION NUMBER:	60/135750
PRIOR FILING DATE:	1999-05-25
PRIOR APPLICATION NUMBER:	60/138166
PRIOR FILING DATE:	1999-06-08
PRIOR APPLICATION NUMBER:	60/144791
PRIOR FILING DATE:	1999-07-20
PRIOR APPLICATION NUMBER:	60/146570
PRIOR FILING DATE:	1999-08-03
PRIOR APPLICATION NUMBER:	60/162506
PRIOR FILING DATE:	1999-10-29
PRIOR APPLICATION NUMBER:	60/211832
PRIOR FILING DATE:	1999-05-14
PRIOR APPLICATION NUMBER:	09/280142
PRIOR FILING DATE:	1999-08-25
PRIOR APPLICATION NUMBER:	09/644848
PRIOR FILING DATE:	2000-08-22
PRIOR APPLICATION NUMBER:	09/747259
PRIOR FILING DATE:	2000-12-20
PRIOR APPLICATION NUMBER:	09/816744
PRIOR FILING DATE:	2001-03-22
PRIOR APPLICATION NUMBER:	09/854208
PRIOR FILING DATE:	2001-05-10
PRIOR APPLICATION NUMBER:	09/854280
PRIOR FILING DATE:	2001-05-10
PRIOR APPLICATION NUMBER:	09/874503
PRIOR FILING DATE:	2001-06-05
PRIOR APPLICATION NUMBER:	09/869599
PRIOR FILING DATE:	2001-06-29
PRIOR APPLICATION NUMBER:	09/908,827
PRIOR FILING DATE:	2001-07-18
PRIOR APPLICATION NUMBER:	PCT/US99/10733
PRIOR FILING DATE:	1999-05-14
PRIOR APPLICATION NUMBER:	PCT/US99/28551
PRIOR FILING DATE:	1999-12-02

PRIOR APPLICATION NUMBER: PCT/US99/30720
PRIOR FILING DATE: 1999-12-22
PRIOR APPLICATION NUMBER: PCT/US00/05601
PRIOR FILING DATE: 2000-03-01
PRIOR APPLICATION NUMBER: PCT/US00/05841
PRIOR FILING DATE: 2000-03-02
PRIOR APPLICATION NUMBER: PCT/US00/14042
PRIOR FILING DATE: 2000-05-22
PRIOR APPLICATION NUMBER: PCT/US00/15264
PRIOR FILING DATE: 2000-06-02
PRIOR APPLICATION NUMBER: PCT/US00/23522
PRIOR FILING DATE: 2000-08-23
PRIOR APPLICATION NUMBER: PCT/US00/23328
PRIOR FILING DATE: 2000-08-24
PRIOR APPLICATION NUMBER: PCT/US00/32678
PRIOR FILING DATE: 2000-12-01
PRIOR APPLICATION NUMBER: PCT/US00/34956
PRIOR FILING DATE: 2000-12-20
PRIOR APPLICATION NUMBER: PCT/US01/06520
PRIOR FILING DATE: 2001-08-28
PRIOR APPLICATION NUMBER: PCT/US01/17800
PRIOR FILING DATE: 2001-06-01
PRIOR APPLICATION NUMBER: PCT/US01/19692
PRIOR FILING DATE: 2001-06-20
PRIOR APPLICATION NUMBER: PCT/US01/21066
PRIOR FILING DATE: 2001-06-29
PRIOR APPLICATION NUMBER: PCT/US01/21735
PRIOR FILING DATE: 2001-07-09
NUMBER OF SEQ ID NOS: 80
SEQ ID NO 35
LENGTH: 888
TYPE: PRT
ORGANISM: Homo Sapien
US-09-931-836-35

Query Match 20.0%; Score 83.5; DB 11; Length 888;
Best Local Similarity 35.4%; Pred. NO. 3.8;
Matches 28; Conservative 7; Mismatches 33; Indels 11; Gaps 5;

QY 1 GTH-----SLPRPAVPYPLMOPGPAHPVLSFLRP--SMD---LVSAFVSLPLAPISPT 51
DB 698 GPHLDGLPTPQGTPLPQKRLPTP--HHPHALGPRAMDHGHPULPASASSLLLLA 756
QY 52 SVPIPVSVGRGPPDAHV 70
DB 757 RAEPQPPAPGE-PTPDSGL 774

RESULT 4

US-10-035-977-35
Sequence 35, Application US/10035977
Publication No. US20030134327A1
GENERAL INFORMATION:
APPLICANT: Desnoyers, Luc
APPLICANT: Eaton, Dan L.
APPLICANT: Goddard, Audrey
APPLICANT: Godowski, Paul J.
APPLICANT: Gurney, Austin L.
APPLICANT: Pan, James
APPLICANT: Stewart, Timothy A.
APPLICANT: Watanabe, Colin K.
APPLICANT: Wood, William I.
APPLICANT: Zhang, Zemin
TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC
FILE REFERENCE: P3030R1C10
CURRENT FILING DATE: US/10/035, 977
PRIOR APPLICATION NUMBER: 2001-12-26
PRIOR FILING DATE: 1998-05-15
PRIOR APPLICATION NUMBER: 60/112514
PRIOR FILING DATE: 1998-12-15
PRIOR APPLICATION NUMBER: 60/113300

PRIOR FILING DATE: 1998-12-22
PRIOR APPLICATION NUMBER: 60/113430
PRIOR FILING DATE: 1998-12-23
PRIOR APPLICATION NUMBER: 60/113605
PRIOR FILING DATE: 1998-12-23
PRIOR APPLICATION NUMBER: 60/113621
PRIOR FILING DATE: 1998-12-23
PRIOR APPLICATION NUMBER: 60/114140
PRIOR FILING DATE: 1998-12-23
PRIOR APPLICATION NUMBER: 60/115552
PRIOR FILING DATE: 1999-01-12
PRIOR APPLICATION NUMBER: 60/116843
PRIOR FILING DATE: 1999-01-22
PRIOR APPLICATION NUMBER: 60/125774
PRIOR FILING DATE: 1999-03-23
PRIOR APPLICATION NUMBER: 60/125778
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PRIOR APPLICATION NUMBER: 60/125826
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PRIOR APPLICATION NUMBER: 60/127035
PRIOR FILING DATE: 1999-03-31
PRIOR APPLICATION NUMBER: 60/127706
PRIOR FILING DATE: 1999-04-05
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PRIOR FILING DATE: 1999-04-27
PRIOR APPLICATION NUMBER: 60/132371
PRIOR FILING DATE: 1999-05-04
PRIOR APPLICATION NUMBER: 60/132379
PRIOR FILING DATE: 1999-05-04
PRIOR APPLICATION NUMBER: 60/132383
PRIOR FILING DATE: 1999-05-04
PRIOR APPLICATION NUMBER: 60/135750
PRIOR FILING DATE: 1999-05-25
PRIOR APPLICATION NUMBER: 60/138166
PRIOR FILING DATE: 1999-06-08
PRIOR APPLICATION NUMBER: 60/144791
PRIOR FILING DATE: 1999-07-20
PRIOR APPLICATION NUMBER: 60/146970
PRIOR FILING DATE: 1999-08-03
PRIOR APPLICATION NUMBER: 60/162506
PRIOR FILING DATE: 1999-10-29
PRIOR APPLICATION NUMBER: 09/311832
PRIOR FILING DATE: 1999-05-14
PRIOR APPLICATION NUMBER: 09/380142
PRIOR FILING DATE: 1999-08-25
PRIOR APPLICATION NUMBER: 09/644848
PRIOR FILING DATE: 2000-08-22
PRIOR APPLICATION NUMBER: 09/747259
PRIOR FILING DATE: 2000-12-20
PRIOR APPLICATION NUMBER: 09/816744
PRIOR FILING DATE: 2001-03-22
PRIOR APPLICATION NUMBER: 09/854208
PRIOR FILING DATE: 2001-05-10
PRIOR APPLICATION NUMBER: 09/854280
PRIOR FILING DATE: 2001-05-10
PRIOR APPLICATION NUMBER: 09/874503
PRIOR FILING DATE: 2001-06-05
PRIOR APPLICATION NUMBER: 09/86599
PRIOR FILING DATE: 2001-06-29
PRIOR APPLICATION NUMBER: 09/908, 827
PRIOR FILING DATE: 2001-07-18
PRIOR APPLICATION NUMBER: PCT/US99/10733
PRIOR FILING DATE: 1999-05-14
PRIOR APPLICATION NUMBER: PCT/US99/28551
PRIOR FILING DATE: 1999-12-02


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: Sequence 544, Application US/10140021
: Publication No. US2003013886A1
: GENERAL INFORMATION:
: APPLICANT: Baker, Kevin P.
: APPLICANT: Beresini, Maureen
: APPLICANT: DeForge, Laura
: APPLICANT: Desnoyers, Luc
: APPLICANT: Filvaroff, Ellen
: APPLICANT: Gao, Wei-Qiang
: APPLICANT: Gerritsen, Mary E.
: APPLICANT: Goddard, Audrey
: APPLICANT: Godowski, Paul J.
: APPLICANT: Gurney, Austin L.
: APPLICANT: Sherwood, Steven
: APPLICANT: Smith, Victoria
: APPLICANT: Stewart, Timothy A.
: APPLICANT: Tumas, Daniel
: APPLICANT: Watanabe, Collin K
: APPLICANT: Wood, William
: APPLICANT: Zhang, Zemin
: TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC
: FILE REFERENCE: P330R1C167
: CURRENT APPLICATION NUMBER: US/10/140,021
: PRIOR FILING DATE: 2002-05-06
: Prior Application removed - See Palm or File Wrapper
: NUMBER OF SEQ ID NOS: 550
: SEQ ID NO 544
: LENGTH: 888
: TYPE: PRT
: ORGANISM: Homo Sapien
: US-10-140-021-544

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Query Match	20.0%	Score 83.5	DB 12	length 888
Best Local Similarity	35.4%	Pred. No. 3.8		
Matches	28	Conservative	7	Mismatches 33; Indels 11; Gaps 5
QY	1	GTH-----SLRRAAIVPYLRMQPRAPVLSFLRP-SWD-----TVSAFYSLPLAPLSPST	51	
DB	698	GPHDLSGLLPTEPCTPQKRLPLP-HPHRAIGPRMWDGHPILPASASSLTLAPLA	756	
QY	52	SVPLSPVSVGSGPPDDAHV	70	
DB	757	RAPQPPAPAG-PPPDGRLL	774	

```

: RESULT 8
: US-10-140-274-544
: Sequence 544, Application US/10140274
: Publication No. US20050143674A1
: GENERAL INFORMATION:
: APPLICANT: Baker, Kevin P.
: APPLICANT: Beresini, Maureen
: APPLICANT: DeBorge, Laura
: APPLICANT: Desnoyers, Luc
: APPLICANT: Filvaroff, Ellen
: APPLICANT: Gao, Wei-Qiang
: APPLICANT: Gerltsen, Mary E.
: APPLICANT: Goddard, Audrey
: APPLICANT: Godowski, Paul J.
: APPLICANT: Gurney, Austin L.
: APPLICANT: Sherwood, Steven
: APPLICANT: Smith, Victoria
: APPLICANT: Stewart, Timothy A.
: APPLICANT: Tumas, Daniel
: APPLICANT: Watanabe, Colin K
: APPLICANT: Wood, William
: APPLICANT: Zhang, Zhenli
: TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC
: TITLE OF INVENTION: ACIDS ENCODING THE SAME
: FILE REFERENCE: P333081C161
: CURRENT APPLICATION NUMBER: US/10/140,274
: CURRENT FILING DATE: 2002-05-06

```

```

: PriorApplication removed - See File Wrapper or Patent
:
: NUMBER OF SEQ ID NOS: 550
:
: SEQ ID NO 544
:
: LENGTH: 888
:
: TYPE: prt
:
: ORGANISM: Homo Sapien
:
: OS-10-140-274-544

```

	Query Match	Similarity	Score	DB 12:	Length	888:
Best Local		35.4%	Pred.	No	3.8;	
Matches	28;	Conservative	7;	Mismatches	33;	Indels 11; Gaps 5
OY	1	GTH-----SLRRPAAPVPLRMOPGPAHPVLSLRP-SMD-----LVSAFYSLTLPASP	SPT	51		
Dd	698	GPHDLDGLLTPECTPLPQKRLPP-HPHFAIGPRMWDGHPLPASASSLLTLAPA	LAPA	756		
OY	52	SVPISPVSVGGRPDPAHV	70			
Dd	757	RAPQPPARGF-PITPDGRU	774			

```

RESULT 9
US-10-140-471-544
: Sequence 544, Application US/10140471
: Publication No. US20030138887A1
: GENERAL INFORMATION:
: APPLICANT: Baker, Kevin P.
: APPLICANT: Beresini, Maureen
: APPLICANT: DeForge, Laura
: APPLICANT: Desnoyers, Luc
: APPLICANT: Filvaroff, Ellen
: APPLICANT: Gao, Wei-Qiang
: APPLICANT: Gerritsen, Mary E.
: APPLICANT: Goddard, Audrey
: APPLICANT: Godowski, Paul J.
: APPLICANT: Gurney, Austin L.
: APPLICANT: Sherwood, Steven
: APPLICANT: Smith, Victoria
: APPLICANT: Stewart, Timothy A.
: APPLICANT: Tumas, Daniel
: APPLICANT: Watanabe, Colin K
: APPLICANT: Wood, William
: APPLICANT: Zhang, Zemin
: TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC
: FILE REFERENCE: P3330R1G163
: CURRENT APPLICATION NUMBER: US/10/140,471
: PRIORITY FILING DATE: 2002-05-06
: PRIORITY APPLICATION removed - See File Wrapper or Palm
: NUMBER OF SEQ ID NOS: 550
: SEQ ID NO 544
: LENGTH: 888
: TYPE: PRT
: ORGANISM: Homo Sapien
US-10-140-471-544

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```

Query Match Similarity      20.0%; Score 83.5; DB 12; length 888;
Best Local Similarity      35.4%; Pred No. 3.8;
Matches      28; Conservative      7; Mismatches      33; Indels      11; Gaps      5

QY      1 GTH---SLDRPAVPVRLRMQGRPAHNVLSFLRP-SWD---LVSATYSLPLAPLSPT 51
      | | | | | | | | | | | | | | | | | | | | | | | | | | | |
Db      698 GRHLDSDSLRLPTREQRLPR-PRHNLALGRAMDHGHRLPLPASASSLLLLAPA 756
      | | | | | | | | | | | | | | | | | | | | | | | | | | | |

QY      52 SVPLSPVSVGGRPPDDAHV 70
      | | | | | | | | | | | | | | | | | | | | | | | | | | | |
Db      757 RAPRQPPAPGE-PTPDGRL 774
      | | | | | | | | | | | | | | | | | | | | | | | | | | | |

RESULT 10
US-10-140-807-544
; Sequence 544, Application US/10140807
; Publication No. US20030134354A1

```



```

; APPLICANT: Beresini, Maureen
; APPLICANT: DeForge, Laura
; APPLICANT: Desnoyers, Luc
; APPLICANT: Filvaroff, Ellen
; APPLICANT: Gao, Wei-Qiang
; APPLICANT: Gerritsen, Mary E.
; APPLICANT: Goddard, Audrey
; APPLICANT: Godowski, Paul J.
; APPLICANT: Gurney, Austin L.
; APPLICANT: Sherwood, Steven
; APPLICANT: Smith, Victoria
; APPLICANT: Stewart, Timothy A.
; APPLICANT: Tumas, Daniel
; APPLICANT: Watanabe, Colin K
; APPLICANT: Wood, William
; APPLICANT: Zhang, Zemin
; TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC
; FILE REFERENCE: P330R1C187
; CURRENT FILING DATE: 2002-05-07
; PRIOR APPLICATION removed - See File Wrapper or Palm
; NUMBER OF SEQ ID NOS: 550
; SEQ ID NO 544
; LENGTH: 888
; TYPE: PRT
; ORGANISM: Homo Sapien
US-10-140-926-544

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```

Query Match      20.0%; Score 83.5; DB 12; Length 888;
Best Local Similarity 35.4%; Pred. No. 3.8;
Matches 28; Conservative 7; Mismatches 33; Indels 11; Gaps 5;

QY 1 GTH-----SLPRRAVPVPLRMQGPAAHYLSLR-SMD-----LVSATYSLPLADLSPT 51
DB 698 GPHDLSGLPTPEQPLPQKRLPTP-HHPHNLGPRANDHGHPLLPASASSLLLLARA 756
QY 52 SVPISPVSGRGPDPDAH 70
DB 757 RAPEQPPAPGE-PTPDGRL 774

```

```

RESULT 14
US-10-141-698-544
; Sequence 544, Application US/10141698
; Publication No. US20030134357A1
; GENERAL INFORMATION:
; APPLICANT: Baker, Kevin P.
; APPLICANT: Beresini, Maureen
; APPLICANT: DeForge, Laura
; APPLICANT: Desnoyers, Luc
; APPLICANT: Filvaroff, Ellen
; APPLICANT: Gao, Wei-Qiang
; APPLICANT: Gerritsen, Mary E.
; APPLICANT: Goddard, Audrey
; APPLICANT: Godowski, Paul J.
; APPLICANT: Gurney, Austin L.
; APPLICANT: Sherwood, Steven
; APPLICANT: Smith, Victoria
; APPLICANT: Stewart, Timothy A.
; APPLICANT: Tumas, Daniel
; APPLICANT: Watanabe, Colin K
; APPLICANT: Wood, William
; APPLICANT: Zhang, Zemin
; TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC
; FILE REFERENCE: P330R1C206
; CURRENT FILING DATE: 2002-05-08
; PRIOR APPLICATION removed - See Palm or File Wrapper
; NUMBER OF SEQ ID NOS: 550
; SEQ ID NO 544
; LENGTH: 888

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; TYPE: PRT
; ORGANISM: Homo Sapien
US-10-141-698-544

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```

Query Match      20.0%; Score 83.5; DB 12; Length 888;
Best Local Similarity 35.4%; Pred. No. 3.8;
Matches 28; Conservative 7; Mismatches 33; Indels 11; Gaps 5;

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QY 1 GTH-----SLPRRAVPVPLRMQGPAAHYLSLR-SMD-----LVSATYSLPLADLSPT 51
DB 698 GPHDLSGLPTPEQPLPQKRLPTP-HHPHNLGPRANDHGHPLLPASASSLLLLARA 756
QY 52 SVPISPVSGRGPDPDAH 70
DB 757 RAPEQPPAPGE-PTPDGRL 774

```

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RESULT 15
US-10-141-702-544
; Sequence 544, Application US/10141702
; Publication No. US20030134358A1
; GENERAL INFORMATION:
; APPLICANT: Baker, Kevin P.
; APPLICANT: Beresini, Maureen
; APPLICANT: DeForge, Laura
; APPLICANT: Desnoyers, Luc
; APPLICANT: Filvaroff, Ellen
; APPLICANT: Gao, Wei-Qiang
; APPLICANT: Gerritsen, Mary E.
; APPLICANT: Goddard, Audrey
; APPLICANT: Godowski, Paul J.
; APPLICANT: Gurney, Austin L.
; APPLICANT: Sherwood, Steven
; APPLICANT: Smith, Victoria
; APPLICANT: Stewart, Timothy A.
; APPLICANT: Tumas, Daniel
; APPLICANT: Watanabe, Colin K
; APPLICANT: Wood, William
; APPLICANT: Zhang, Zemin
; TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC
; FILE REFERENCE: P330R1C208
; CURRENT FILING DATE: 2002-05-08
; PRIOR APPLICATION removed - See Palm or File Wrapper
; NUMBER OF SEQ ID NOS: 550
; SEQ ID NO 544
; LENGTH: 888
; TYPE: PRT
; ORGANISM: Homo Sapien
US-10-141-702-544

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Query Match      20.0%; Score 83.5; DB 12; Length 888;
Best Local Similarity 35.4%; Pred. No. 3.8;
Matches 28; Conservative 7; Mismatches 33; Indels 11; Gaps 5;

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```

QY 1 GTH-----SLPRRAVPVPLRMQGPAAHYLSLR-SMD-----LVSATYSLPLADLSPT 51
DB 698 GPHDLSGLPTPEQPLPQKRLPTP-HHPHNLGPRANDHGHPLLPASASSLLLLARA 756
QY 52 SVPISPVSGRGPDPDAH 70
DB 757 RAPEQPPAPGE-PTPDGRL 774

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Search completed: September 3, 2003, 16:49:10
Job time : 8.66265 secs

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GenCore version 5.1.6
Copyright (c) 1993 - 2003 Compugen Ltd.

OM protein - protein search, using sw model

Run on: September 3, 2003, 16:31:56 ; Search time 34.496 Seconds
(without alignments)
513.922 Million cell updates/sec

Title: US-09-234-208B-2
2287
Perfect score: 1 MELALCRWGLLALPPGA.....VGRGPPDAHVAVNLRYEG 419
Sequence:

Scoring table: BLOSUM62
Gapop 10.0 , Gapext 0.5

Searched: 328717 seqs, 42310858 residues

Total number of hits satisfying chosen parameters: 328717

Minimum DB seq length: 0
Maximum DB seq length: 2000000000

Post-processing: Minimum Match 0%
Maximum Match 100%
Listing first 45 summaries

Database : Issued_Patents_AA:*
1: /cgn2_6/ptodata/1/1aa/5A.CONB.pep:*
2: /cgn2_6/ptodata/1/1aa/5B.CONB.pep:*
3: /cgn2_6/ptodata/1/1aa/6A.CONB.pep:*
4: /cgn2_6/ptodata/1/1aa/6B.CONB.pep:*
5: /cgn2_6/ptodata/1/1aa/PTCUTS.CONB.pep:*
6: /cgn2_6/ptodata/1/1aa/Dacfil1es1.pep:*

Pred. No. is the number of results predicted by chance to have a
score greater than or equal to the score of the result being printed,
and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	Query Match	Length	DB ID	Description
1	2287	100.0	419	4	US-09-630-155-2 Sequence 2, Appli
2	1878	82.1	782	2	US-09-146-283-4 Sequence 4, Appli
3	1878	82.1	782	3	US-08-579-823A-4 Sequence 4, Appli
4	1878	82.1	782	3	US-09-344-195-4 Sequence 4, Appli
5	1878	82.1	1255	1	US-08-467-083-68 Sequence 68, Appli
6	1878	82.1	1255	1	US-08-414-417B-68 Sequence 68, Appli
7	1878	82.1	1255	2	US-08-484-438-8 Sequence 8, Appli
8	1878	82.1	1255	2	US-08-486-348A-68 Sequence 68, Appli
9	1878	82.1	1255	2	US-08-625-101-2 Sequence 2, Appli
10	1878	82.1	1255	2	US-08-468-545B-68 Sequence 68, Appli
11	1878	82.1	1255	3	US-08-356-786-2 Sequence 2, Appli
12	1878	82.1	1255	3	US-08-466-680B-68 Sequence 68, Appli
13	1878	82.1	1255	4	US-09-527-487-2 Sequence 2, Appli
14	1769	77.4	624	3	US-08-422-108-1 Sequence 1, Appli
15	1769	77.4	624	4	US-08-422-734-1 Sequence 1, Appli
16	793	34.7	644	1	US-08-336-708A-9 Sequence 9, Appli
17	793	34.7	1210	2	US-08-484-438-7 Sequence 7, Appli
18	793	34.7	1210	2	US-08-475-035-4 Sequence 4, Appli
19	775	33.9	911	2	US-08-484-438-10 Sequence 10, Appli
20	775	33.9	1058	2	US-08-484-438-4 Sequence 4, Appli
21	773	33.8	1308	2	US-08-484-438-2 Sequence 2, Appli
22	773	33.8	478	4	US-09-570-454-2 Sequence 2, Appli
23	773	33.8	478	4	US-09-867-521-2 Sequence 2, Appli
24	735.5	32.2	1342	2	US-07-978-895-4 Sequence 9, Appli
25	735.5	32.2	1342	2	US-08-484-438-9 Sequence 9, Appli
26	735.5	32.2	1342	2	US-08-473-119-4 Sequence 4, Appli
27	735.5	32.2	1342	2	US-08-475-352-4 Sequence 4, Appli

28	734	32.1	1343	6	5183884-4 Patent No. 5183884
29	493	21.6	97	1	US-08-421-356-3 Sequence 3, Appli
30	493	21.6	97	4	US-09-046-783-3 Sequence 3, Appli
31	418	18.3	79	4	US-09-630-155-1 Sequence 1, Appli
32	264.5	11.6	1382	2	US-08-737-715-2 Sequence 2, Appli
33	264.5	11.6	1382	2	US-09-457-040B-7 Sequence 7, Appli
34	257.5	11.3	516	3	US-08-746-559A-4 Sequence 4, Appli
35	257.5	11.3	1367	2	US-08-249-687C-2 Sequence 2, Appli
36	257.5	11.3	1367	2	US-08-625-819-2 Sequence 2, Appli
37	257.5	11.3	1367	3	US-08-746-559A-2 Sequence 2, Appli
38	257.5	11.3	1367	4	US-08-864-641B-18 Sequence 18, Appli
39	241.5	10.6	486	3	US-08-746-559A-5 Sequence 5, Appli
40	210.5	9.2	383	3	US-08-857-076-105 Sequence 105, App
41	203	8.9	1724	3	US-08-857-076-12 Sequence 12, Appli
42	196	8.6	366	3	US-08-857-076-103 Sequence 103, App
43	184.5	8.1	370	3	US-08-857-076-104 Sequence 104, App
44	147.5	6.4	381	3	US-08-857-076-106 Sequence 106, App
45	142	6.2	1940	2	US-08-644-271-30 Sequence 30, Appli

ALIGNMENTS

RESULT 1
US-09-630-155-2
; Sequence 2, Application US/09630155
; Patent No. 6414130
GENERAL INFORMATION:
APPLICANT: Donerty, Joni Kristin and Gail M. Clinton
TITLE OF INVENTION: HER-2 BINDING ANTAGONISTS
NUMBER OF SEQUENCES: 9
CORRESPONDENCE ADDRESS:
ADDRESSEE: DAVIS WRIGHT TREMAINE LLP
STREET: 1501 Fourth Avenue, 2600 Century Square
City: Seattle
STATE: Washington
COUNTRY: U.S.A.
ZIP: 98101
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: PC compatible
OPERATING SYSTEM: Windows95
SOFTWARE: word
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/09/630,155
FILING DATE: 16-Jan-2001
CLASSIFICATION: <unknown>
ATTORNEY/AGENT INFORMATION:
NAME: Davison, Barry L.
REGISTRATION NUMBER: 47,309
REFERENCE/DOCKET NUMBER: 49321-10
TELECOMMUNICATION INFORMATION:
TELEPHONE: 206 628-7621
TELEFAX: 206 628-7699
INFORMATION FOR SEQ ID NO: 2:
SEQUENCE CHARACTERISTICS:
LENGTH: 419
TYPE: amino acid
STRANDEDNESS: single
TOPOLOGY: unknown
MOLECULE TYPE: polypeptide
SEQUENCE DESCRIPTION: SEQ ID NO: 2:
US-09-630-155-2
Query Match 100.0%; Score 2287; DB 4; Length 419;
Best Local Similarity 100.0%; Pred. No. 3.5e-192;
Matches 419; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
QY 1 MELALCRWGLLALPPGA...STGCTDKRLRPASPERHLDLRLRYGCGVQGNL 60
DB 1 MELALCRWGLLALPPGA...STGCTDKRLRPASPERHLDLRLRYGCGVQGNL 60
QY 61 ELTYLPTNASLFLDIDIEVOGYVLIANNQVROYVLRRLRIVRTGTLFEDNYALAVLDNG 120

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Db 61 ELTYLPTNASLSFLDIOEVGVYLIANHVRQVPLQRLRYRGTLFEDNATALVLDNG 120
Oy 121 DPLNNTTPTVGTASPGGLRELOLRSLTEILKSGVLIQRNPOLCYODTIIMKDFHKNNOA 180
Db 121 DPLNNTTPTVGTASPGGLRELOLRSLTEILKSGVLIQRNPOLCYODTIIMKDFHKNNOA 180
Oy 181 LTLIDTNSRACHPCSPCKGSRGCESEDCQSLTRFYVACGACARCKGPLPTDCHBQC 240
Db 181 LTLIDTNSRACHPCSPCKGSRGCESEDCQSLTRFYVACGACARCKGPLPTDCHBQC 240
Oy 241 AAGCTGPRHSDCLACLNHNSGICELHCPALVTYNTDFEESMPNPEGRTTGASCVTACP 300
Db 241 AAGCTGPRHSDCLACLNHNSGICELHCPALVTYNTDFEESMPNPEGRTTGASCVTACP 300
Oy 301 YNYLSTDVSGSCTLVCPPLHNOEVTAEQTCRCKSKPCARGTHSLPRPAVPPLRMQP 360
Db 301 YNYLSTDVSGSCTLVCPPLHNOEVTAEQTCRCKSKPCARGTHSLPRPAVPPLRMQP 360
Oy 361 GPAHVLSFLRPSMDLVSAFYSPLPLAPLSPISVPISVGRGPDPAHVAVNLRYEG 419
Db 361 GPAHVLSFLRPSMDLVSAFYSPLPLAPLSPISVPISVGRGPDPAHVAVNLRYEG 419
```

RESULT 2

```
US-09-146-283-4
; Sequence 4, Application US/09146283
; Patent No. 5976546
; GENERAL INFORMATION:
; APPLICANT: Laus, Reiner
; APPLICANT: Ruegg, Curtis L.
; APPLICANT: Wu, Hongyu
; TITLE OF INVENTION: Immunostimulatory Compositions
; NUMBER OF SEQUENCES: 10
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Denlinger & Associates
; STREET: 350 Cambridge Ave. Suite 250
; CITY: Palo Alto
; STATE: CA
; COUNTRY: USA
; ZIP: 94306
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; OPERATING SYSTEM: IBM PC compatible
; SOFTWARE: Patentin Release #1.0, Version #1.25
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/09/146,283
; FILING DATE: 03-SEPT-1998
; CLASSIFICATION: 536
; ATTORNEY/AGENT INFORMATION:
; NAME: Judge, Linda R.
; REGISTRATION NUMBER: 42,702
; REFERENCE/DOCKET NUMBER: 7636-0010.21
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: 650-324-0880
; TELEFAX: 650-324-0960
; INFORMATION FOR SEQ ID NO: 4:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 782 amino acids
; TYPE: amino acid
; TOPOLOGY: linear
; MOLECULE TYPE: protein
; HYPOTHETICAL: NO
; ORIGINAL SOURCE:
; ORGANISM: homo sapiens
; INDIVIDUAL ISOLATE: GM-CSF-Her-2 fusion protein; Fig. 8
US-09-146-283-4
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Query Match 82.1%; Score 1878; DB 2; Length 782;
Best Local Similarity 83.0%; Pred. No. 5, le-156;
Matches 362; Conservative 9; Mismatches 45; Indels 20; Gaps 5;
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Oy 1 MELALCEWGLLALLPFGAASSTOYCTGTDMLKRLPASPEETHLMDLRHLVGGCCVVGNTL 60
Db 1 MELALCEWGLLALLPFGAASSTOYCTGTDMLKRLPASPEETHLMDLRHLVGGCCVVGNTL 60
Oy 61 ELTYLPTNASLSFLDIOEVGVYLIANHVRQVPLQRLRYRGTLFEDNATALVLDNG 120
Db 61 ELTYLPTNASLSFLDIOEVGVYLIANHVRQVPLQRLRYRGTLFEDNATALVLDNG 120
Oy 121 DPLNNTTPTVGTASPGGLRELOLRSLTEILKSGVLIQRNPOLCYODTIIMKDFHKNNOA 180
Db 121 DPLNNTTPTVGTASPGGLRELOLRSLTEILKSGVLIQRNPOLCYODTIIMKDFHKNNOA 180
Oy 181 LTLIDTNSRACHPCSPCKGSRGCESEDCQSLTRFYVACGACARCKGPLPTDCHBQC 240
Db 181 LTLIDTNSRACHPCSPCKGSRGCESEDCQSLTRFYVACGACARCKGPLPTDCHBQC 240
Oy 241 AAGCTGPRHSDCLACLNHNSGICELHCPALVTYNTDFEESMPNPEGRTTGASCVTACP 300
Db 241 AAGCTGPRHSDCLACLNHNSGICELHCPALVTYNTDFEESMPNPEGRTTGASCVTACP 300
Oy 301 YNYLSTDVSGSCTLVCPPLHNOEVTAEQTCRCKSKPCARGTHSLPRPAVPPLRMQP 355
Db 301 YNYLSTDVSGSCTLVCPPLHNOEVTAEQTCRCKSKPCARGTHSLPRPAVPPLRMQP 355
Oy 361 LRMQPG--PAHVLSFLRPSMDLVSAFYSPLPLAPLSPISVPISVGRGPDPAHVAVNLRYEG 405
Db 361 LRMQPG--PAHVLSFLRPSMDLVSAFYSPLPLAPLSPISVPISVGRGPDPAHVAVNLRYEG 405
Oy 406 --PDAHVAVNLRYEG 419
Db 406 --PDAHVAVNLRYEG 419
Oy 418 SLPLDLSVFQNLQVING 433
Db 418 SLPLDLSVFQNLQVING 433
```

RESULT 3

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US-08-579-823A-4
; Sequence 4, Application US/08579823A
; Patent No. 6080409
; GENERAL INFORMATION:
; APPLICANT: Laus, Reiner
; APPLICANT: Ruegg, Curtis L.
; APPLICANT: Wu, Hongyu
; TITLE OF INVENTION: Immunostimulatory Composition and Method
; NUMBER OF SEQUENCES: 10
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Denlinger & Associates
; STREET: 350 Cambridge Ave. Suite 250
; CITY: Palo Alto
; STATE: CA
; COUNTRY: USA
; ZIP: 94306
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; OPERATING SYSTEM: IBM PC compatible
; SOFTWARE: Patentin Release #1.0, Version #1.25
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/579,823A
; FILING DATE: 03-DEC-1998
; CLASSIFICATION: 536
; ATTORNEY/AGENT INFORMATION:
; NAME: Judge, Linda R.
; REGISTRATION NUMBER: 42,702
; REFERENCE/DOCKET NUMBER: 7636-0010
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: 650-324-0880
; TELEFAX: 650-324-0960
; INFORMATION FOR SEQ ID NO: 4:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 782 amino acids
; TYPE: amino acid
; TOPOLOGY: linear
; MOLECULE TYPE: protein
; HYPOTHETICAL: NO
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ORIGINAL SOURCE:
 ORGANISM: homo sapiens
 INDIVIDUAL ISOLATE: GM-CSF-Her-2 fusion protein; Fig. 8
 US-08-579-823A-4

Query Match 82.1%; Score 1878; DB 3; Length 782;
 Best Local Similarity 83.0%; Pred. No. 5,1e-156;
 Matches 362; Conservative 9; Mismatches 45; Indels 20; Gaps 5;

QY 1 MELAALCRWGLLALPPGAASTOVCTGDMKRLRPASPEHLDMLRHLYOGCQVQGNL 60
 DB 1 MELAALCRWGLLALPPGAASTOVCTGDMKRLRPASPEHLDMLRHLYOGCQVQGNL 60
 QY 61 ELTYLPTNASLSFLDIOEVQGVYLAHQVROVPLQRLRIYRGTLQFEDNTALAVLDNG 120
 DB 61 ELTYLPTNASLSFLDIOEVQGVYLAHQVROVPLQRLRIYRGTLQFEDNTALAVLDNG 120
 QY 121 DPLNNTPTVTGASPGGLRELQRLSLTEILKGVLIQRNPOLCYQDTILMKDIFHKNNOLA 180
 DB 121 DPLNNTPTVTGASPGGLRELQRLSLTEILKGVLIQRNPOLCYQDTILMKDIFHKNNOLA 180
 QY 181 LTLIDNRSRACHPCSPMKSGSKWGESSEDCQSLRTVCAGGACARCKPLPTDCHEOC 240
 DB 181 LTLIDNRSRACHPCSPMKSGSKWGESSEDCQSLRTVCAGGACARCKPLPTDCHEOC 240
 QY 241 AAGCTGPKHSDCLACLFHNSGICELHCPALVTYNTDFESMNPREGRTTFGASCTYACP 300
 DB 241 AAGCTGPKHSDCLACLFHNSGICELHCPALVTYNTDFESMNPREGRTTFGASCTYACP 300
 QY 301 YNLTSTDVSGCTLVCPDLHNOEYTAEDGTORCEKSKPCAR-----GTHSLPRPAVP 355
 DB 301 YNLTSTDVSGCTLVCPDLHNOEYTAEDGTORCEKSKPCAR-----GTHSLPRPAVP 355
 QY 356 LRMQPG--PAHPLSLRSPMDLVSAFYSLPLAPLSPTSVPI-----SPYSVGRGD 405
 DB 356 LRMQPG--PAHPLSLRSPMDLVSAFYSLPLAPLSPTSVPI-----SPYSVGRGD 405
 QY 406 --PDAHVAVNLRYEG 419
 DB 406 --PDAHVAVNLRYEG 419
 QY 418 SLPLDSVFQNLQVIRG 433
 DB 418 SLPLDSVFQNLQVIRG 433

RESULT 4
 US-09-344-195-4
 Sequence 4, Application US/09344195
 Patent No. 6210662

GENERAL INFORMATION:
 APPLICANT: Laus, Reiner
 Ruegg, Curtis L.
 Wu, Hongyu

TITLE OF INVENTION: Immunostimulatory Compositions
 NUMBER OF SEQUENCES: 10
 CORRESPONDENCE ADDRESS:
 ADDRESSEE: Denlinger & Associates
 STREET: 350 Cambridge Ave, Suite 250
 CITY: Palo Alto

STATE: CA
 COUNTRY: USA
 ZIP: 94306

COMPUTER READABLE FORM:
 MEDIUM TYPE: Floppy disk
 COMPUTER: IBM PC compatible
 OPERATING SYSTEM: PC-DOS/MS-DOS
 SOFTWARE: PatentIn Release #1.0, Version #1.25
 CURRENT APPLICATION DATA:
 APPLICATION NUMBER: US/09/344,195
 FILING DATE: 24-Jun-1999
 CLASSIFICATION: <Unknown>

PRIOR APPLICATION DATA:
 APPLICATION NUMBER: US/09/146,283
 FILING DATE: 03-SEPT-1998
 ATTORNEY/AGENT INFORMATION:
 NAME: Judge, Linda R.

REGISTRATION NUMBER: 42,702
 REFERENCE/DOCKET NUMBER: 7636-0010.21
 TELECOMMUNICATION INFORMATION:
 TELEPHONE: 650-324-0880
 TELEFAX: 650-324-0960
 INFORMATION FOR SEQ ID NO: 4:
 SEQUENCE CHARACTERISTICS:
 LENGTH: 782 amino acids
 TYPE: amino acid
 TOPOLOGY: linear
 MOLECULE TYPE: protein
 HYPOTHETICAL: NO
 ORIGINAL SOURCE:
 ORGANISM: homo sapiens
 INDIVIDUAL ISOLATE: GM-CSF-Her-2 fusion protein; Fig. 8
 SEQUENCE DESCRIPTION: SEQ ID NO: 4:

US-09-344-195-4
 Query Match 82.1%; Score 1878; DB 3; Length 782;
 Best Local Similarity 83.0%; Pred. No. 5,1e-156;
 Matches 362; Conservative 9; Mismatches 45; Indels 20; Gaps 5;

QY 1 MELAALCRWGLLALPPGAASTOVCTGDMKRLRPASPEHLDMLRHLYOGCQVQGNL 60
 DB 1 MELAALCRWGLLALPPGAASTOVCTGDMKRLRPASPEHLDMLRHLYOGCQVQGNL 60
 QY 61 ELTYLPTNASLSFLDIOEVQGVYLAHQVROVPLQRLRIYRGTLQFEDNTALAVLDNG 120
 DB 61 ELTYLPTNASLSFLDIOEVQGVYLAHQVROVPLQRLRIYRGTLQFEDNTALAVLDNG 120
 QY 121 DPLNNTPTVTGASPGGLRELQRLSLTEILKGVLIQRNPOLCYQDTILMKDIFHKNNOLA 180
 DB 121 DPLNNTPTVTGASPGGLRELQRLSLTEILKGVLIQRNPOLCYQDTILMKDIFHKNNOLA 180
 QY 181 LTLIDNRSRACHPCSPMKSGSKWGESSEDCQSLRTVCAGGACARCKPLPTDCHEOC 240
 DB 181 LTLIDNRSRACHPCSPMKSGSKWGESSEDCQSLRTVCAGGACARCKPLPTDCHEOC 240
 QY 241 AAGCTGPKHSDCLACLFHNSGICELHCPALVTYNTDFESMNPREGRTTFGASCTYACP 300
 DB 241 AAGCTGPKHSDCLACLFHNSGICELHCPALVTYNTDFESMNPREGRTTFGASCTYACP 300
 QY 301 YNLTSTDVSGCTLVCPDLHNOEYTAEDGTORCEKSKPCAR-----GTHSLPRPAVP 355
 DB 301 YNLTSTDVSGCTLVCPDLHNOEYTAEDGTORCEKSKPCAR-----GTHSLPRPAVP 355
 QY 356 LRMQPG--PAHPLSLRSPMDLVSAFYSLPLAPLSPTSVPI-----SPYSVGRGD 405
 DB 356 LRMQPG--PAHPLSLRSPMDLVSAFYSLPLAPLSPTSVPI-----SPYSVGRGD 405
 QY 406 --PDAHVAVNLRYEG 419
 DB 406 --PDAHVAVNLRYEG 419
 QY 418 SLPLDSVFQNLQVIRG 433
 DB 418 SLPLDSVFQNLQVIRG 433

RESULT 5
 US-08-467-083-68
 Sequence 68, Application US/08467083
 Patent No. 5726023

GENERAL INFORMATION:
 APPLICANT: Cheever, Martin A.

TITLE OF INVENTION: IMMUNE REACTIVITY TO HER-2/NEU PROTEIN
 TITLE OF INVENTION: FOR DIAGNOSIS AND TREATMENT OF MALIGNANCIES IN WHICH THE
 NUMBER OF SEQUENCES: 68
 CORRESPONDENCE ADDRESS:
 ADDRESSEE: Seed and Berry
 STREET: 6300 Columbia Center, 701 Fifth Avenue
 CITY: Seattle
 STATE: Washington
 COUNTRY: US
 ZIP: 98104-7092

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COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patentin Release #1.0, Version #1.25
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/467,083
FILING DATE: 06-JUN-1995
CLASSIFICATION: 424
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 08/414,417
FILING DATE: 06-JUN-1995
ATTORNEY/AGENT INFORMATION:
NAME: Sharkey, Richard G.
REGISTRATION NUMBER: 32,629
REFERENCE/DOCKET NUMBER: 920010.448C2
TELECOMMUNICATION INFORMATION:
TELEPHONE: (206) 622-4900
TELEFAX: (206) 682-6031
TELEX: 3723836 SEDANBERY
INFORMATION FOR SEQ ID NO: 68:
SEQUENCE CHARACTERISTICS:
LENGTH: 1255 amino acids
TYPE: amino acid
TOPOLOGY: linear
US-08-467-083-68

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Query Match      82.1%; Score 1878; DB 1; Length 1255;
Best Local Similarity 83.0%; Pred. No. 9,5e-156;
Matches 362; Conservative 9; Mismatches 45; Indels 20; Gaps 5;

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QY 1 MELALCRMGILLALIPGAASVTCGTGDMKRLRPASPEHLDMLRHLHYGCCVYVGNL 60
DB 1 MELALCRMGILLALIPGAASVTCGTGDMKRLRPASPEHLDMLRHLHYGCCVYVGNL 60
QY 61 ELYLPTNASLFLDIOEVGVYLIANQVQVPLQRLRIYRGTLQFEDNYALAVLNG 120
DB 61 ELYLPTNASLFLDIOEVGVYLIANQVQVPLQRLRIYRGTLQFEDNYALAVLNG 120
QY 121 DPLNNTTPTGASPGGLRELQRLSLTELKGVLIQRNPOLCYOTIIMKDIFFHNNOLA 180
DB 121 DPLNNTTPTGASPGGLRELQRLSLTELKGVLIQRNPOLCYOTIIMKDIFFHNNOLA 180
QY 181 LTLIDTNSRACHPCSPCKGRCGSESEDCOSLTRVYAGGACARCKGPLPTDCCHQC 240
DB 181 LTLIDTNSRACHPCSPCKGRCGSESEDCOSLTRVYAGGACARCKGPLPTDCCHQC 240
QY 241 AAGCTGPKHSDCLACLFHNHSGICELHCPALVTYNTDFESMPNDEGRYTFGASCVTACP 300
DB 241 AAGCTGPKHSDCLACLFHNHSGICELHCPALVTYNTDFESMPNDEGRYTFGASCVTACP 300
QY 301 YNYLSTDVGSCILVCPPLHNOEYTAEDGTQRCCKSPCARVCGYGLGMEHLREVRAVTSAN 360
DB 301 YNYLSTDVGSCILVCPPLHNOEYTAEDGTQRCCKSPCARVCGYGLGMEHLREVRAVTSAN 360
QY 361 LRMQGG--PAHFVLSFLRPSMDVSAFYSLPLAPLPTSVPI-----SPVSGRGPD 405
DB 361 LRMQGG--PAHFVLSFLRPSMDVSAFYSLPLAPLPTSVPI-----SPVSGRGPD 405
QY 406 --PDAHVAVNLSRYEG 419
DB 406 --PDAHVAVNLSRYEG 419
QY 418 SLPLDSVFQNLQVIRG 433
DB 418 SLPLDSVFQNLQVIRG 433

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RESULT 6
US-08-414-417B-68
; Sequence 68, Application US/08414417B
; Patent No. 5801005
; GENERAL INFORMATION:
; APPLICANT: Cheever, Martin A.
; APPLICANT: Disis, Mary L.
; TITLE OF INVENTION: IMMUNE REACTIVITY TO HER-2/neu PROTEIN
; TITLE OF INVENTION: FOR DIAGNOSIS AND TREATMENT OF MALIGNANCIES IN WHICH THE

```

```

TITLE OF INVENTION: HER-2/neu ONCOGENE IS ASSOCIATED
NUMBER OF SEQUENCES: 69
CORRESPONDENCE ADDRESS:
ADDRESSEE: Seed and Berry LLP
STREET: 6300 Columbia Center, 701 Fifth Avenue
CITY: Seattle
STATE: Washington
COUNTRY: US
ZIP: 98104-7092
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patentin Release #1.0, Version #1.25
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/414,417B
FILING DATE: 31-MAR-1995
CLASSIFICATION: 424
ATTORNEY/AGENT INFORMATION:
NAME: Sharkey, Richard G.
REGISTRATION NUMBER: 32,629
REFERENCE/DOCKET NUMBER: 920010.448C2
TELECOMMUNICATION INFORMATION:
TELEPHONE: (206) 622-4900
TELEFAX: (206) 682-6031
INFORMATION FOR SEQ ID NO: 68:
SEQUENCE CHARACTERISTICS:
LENGTH: 1255 amino acids
TYPE: amino acid
TOPOLOGY: linear
US-08-414-417B-68

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Query Match      82.1%; Score 1878; DB 1; Length 1255;
Best Local Similarity 83.0%; Pred. No. 9,5e-156;
Matches 362; Conservative 9; Mismatches 45; Indels 20; Gaps 5;

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QY 1 MELALCRMGILLALIPGAASVTCGTGDMKRLRPASPEHLDMLRHLHYGCCVYVGNL 60
DB 1 MELALCRMGILLALIPGAASVTCGTGDMKRLRPASPEHLDMLRHLHYGCCVYVGNL 60
QY 61 ELYLPTNASLFLDIOEVGVYLIANQVQVPLQRLRIYRGTLQFEDNYALAVLNG 120
DB 61 ELYLPTNASLFLDIOEVGVYLIANQVQVPLQRLRIYRGTLQFEDNYALAVLNG 120
QY 121 DPLNNTTPTGASPGGLRELQRLSLTELKGVLIQRNPOLCYOTIIMKDIFFHNNOLA 180
DB 121 DPLNNTTPTGASPGGLRELQRLSLTELKGVLIQRNPOLCYOTIIMKDIFFHNNOLA 180
QY 181 LTLIDTNSRACHPCSPCKGRCGSESEDCOSLTRVYAGGACARCKGPLPTDCCHQC 240
DB 181 LTLIDTNSRACHPCSPCKGRCGSESEDCOSLTRVYAGGACARCKGPLPTDCCHQC 240
QY 241 AAGCTGPKHSDCLACLFHNHSGICELHCPALVTYNTDFESMPNDEGRYTFGASCVTACP 300
DB 241 AAGCTGPKHSDCLACLFHNHSGICELHCPALVTYNTDFESMPNDEGRYTFGASCVTACP 300
QY 301 YNYLSTDVGSCILVCPPLHNOEYTAEDGTQRCCKSPCARVCGYGLGMEHLREVRAVTSAN 360
DB 301 YNYLSTDVGSCILVCPPLHNOEYTAEDGTQRCCKSPCARVCGYGLGMEHLREVRAVTSAN 360
QY 361 LRMQGG--PAHFVLSFLRPSMDVSAFYSLPLAPLPTSVPI-----SPVSGRGPD 405
DB 361 LRMQGG--PAHFVLSFLRPSMDVSAFYSLPLAPLPTSVPI-----SPVSGRGPD 405
QY 406 --PDAHVAVNLSRYEG 419
DB 406 --PDAHVAVNLSRYEG 419
QY 418 SLPLDSVFQNLQVIRG 433
DB 418 SLPLDSVFQNLQVIRG 433

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RESULT 7
US-08-484-438-8
; Sequence 8, Application US/08484438
; Patent No. 5811098

```

Patent No. 5811098 5780031
GENERAL INFORMATION:
APPLICANT: PLOMAN, Gregory D.
APPLICANT: CULOUSCOU, Jean-Michel
APPLICANT: SHOYAB, Mohammed
APPLICANT: SIEGALL, Clay B.
APPLICANT: HELLSER, m, Ingegerd
APPLICANT: HELLSER, m, Karl E.
TITLE OF INVENTION: HERA HUMAN RECEPTOR TYROSINE KINASE
NUMBER OF SEQUENCES: 42
CORRESPONDENCE ADDRESS:
ADDRESSEE: Pennie & Edmonds
STREET: 1155 Avenue of the Americas
CITY: New York
STATE: New York
COUNTRY: U.S.A.
ZIP: 10036-2711
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patent Release #1.0, Version #1.25
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/484,438
FILING DATE: 07-JUN-1995
CLASSIFICATION: 530
PRIORITY APPLICATION DATA:
APPLICATION NUMBER: 08/323,442
FILING DATE: 14-OCT-1994
APPLICATION NUMBER: US 08/150,704
FILING DATE: 10-NOV-1993
CLASSIFICATION: 530
PRIORITY APPLICATION DATA:
APPLICATION NUMBER: US 07/981,165
FILING DATE: 24-NOV-1992
CLASSIFICATION: 530
ATTORNEY/AGENT INFORMATION:
NAME: Mistrock, S. Leslie
REGISTRATION NUMBER: 18,872
REFERENCE/DOCKET NUMBER: 5624-230
TELECOMMUNICATION INFORMATION:
TELEPHONE: (212) 790-9090
TELEFAX: (212) 869-8864/9741
TELETYPE: 66141 PENNIE
INFORMATION FOR SEQ ID NO: 8:
SEQUENCE CHARACTERISTICS:
LENGTH: 1255 amino acids
TYPE: amino acid
STRANDEDNESS: unknown
TOPOLOGY: unknown
MOLECULE TYPE: protein
US-08-484-438-8

Query Match 82.1%; Score 1878; DB 2; Length 1255;
Best Local Similarity 83.0%; Pred. No. 9, 5e-156;
Matches 362; Conservative 9; Mismatches 45; Indels 20; Gaps 5;

DB 1 MELAALCRWGLLALPPGAASVOYCTGDMKRLPASPETHLDMRLHLYOGQVVOGNI 60
DB 1 MELAALCRWGLLALPPGAASVOYCTGDMKRLPASPETHLDMRLHLYOGQVVOGNI 60
DB 61 ELTYLPTNASTSLFDIOIEVQGVYLAHNOVQVPLQRLRIYRGTLQFEDNTALAVLDNG 120
DB 61 ELTYLPTNASTSLFDIOIEVQGVYLAHNOVQVPLQRLRIYRGTLQFEDNTALAVLDNG 120
DB 121 DPLANTPTVTGASPGGLRELQRLSLTEILKGVLIQNRNOLCYQDTIILKKDIFHKNNOLA 180
DB 121 DPLANTPTVTGASPGGLRELQRLSLTEILKGVLIQNRNOLCYQDTIILKKDIFHKNNOLA 180
DB 121 DPLANTPTVTGASPGGLRELQRLSLTEILKGVLIQNRNOLCYQDTIILKKDIFHKNNOLA 180
DB 181 LTLIDNRRSRACHPCSPKCKSGRCWGESSEDCOSLRTVCAGGACARCKGPLPTDCHEOC 240
DB 181 LTLIDNRRSRACHPCSPKCKSGRCWGESSEDCOSLRTVCAGGACARCKGPLPTDCHEOC 240

DB 241 AAGCTGPKHSDCLACLFHNSGICELHCPALVTYNTDFESMPNPEGRTYFGASCYTACP 300
DB 241 AAGCTGPKHSDCLACLFHNSGICELHCPALVTYNTDFESMPNPEGRTYFGASCYTACP 300
DB 301 YNYLSTDVSGCTLVCPHLNQEVTAEDGTORCEKSKPCAR----GTHSLRPAAVVP 355
DB 301 YNYLSTDVSGCTLVCPHLNQEVTAEDGTORCEKSKPCARCYGLMEHLREVAVTSAN 360
DB 356 LHMQRG--PAHVLSLRSPMDLVSAFSLPLAPLSPVPI-----SPVSVGRGPD 405
DB 361 IOEFAGCKKIFGSLAPLPSFQDPSNT---APLOPOLQVETILEITGYLYISAMPD 417
DB 406 --PDAAVAVNLSRYEG 419
DB 418 SLPDLSTVFQNLQYIRG 433

RESULT 8
US-08-486-348A-68
Sequence 68, Application US/08486348A
Patent No. 5846538
GENERAL INFORMATION:
APPLICANT: Cheever, Martin A.
APPLICANT: Disis, Mary L.
TITLE OF INVENTION: IMMUNE REACTIVITY TO HER-2/neu PROTEIN
TITLE OF INVENTION: FOR DIAGNOSIS AND TREATMENT OF MALIGNANCIES IN WHICH THE
NUMBER OF SEQUENCES: 69
CORRESPONDENCE ADDRESS:
ADDRESSEE: Seed and Berry LLP
STREET: 6300 Columbia Center, 701 Fifth Avenue
CITY: Seattle
STATE: Washington
COUNTRY: US
ZIP: 98104-7092
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patent Release #1.0, Version #1.25
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/486,348A
FILING DATE: 07-JUN-1995
CLASSIFICATION: 424
ATTORNEY/AGENT INFORMATION:
NAME: Sharkey, Richard G.
REGISTRATION NUMBER: 32,629
REFERENCE/DOCKET NUMBER: 920010.448C6
TELECOMMUNICATION INFORMATION:
TELEPHONE: (206) 622-4900
TELEFAX: (206) 682-6031
INFORMATION FOR SEQ ID NO: 68:
SEQUENCE CHARACTERISTICS:
LENGTH: 1255 amino acids
TYPE: amino acid
TOPOLOGY: linear
US-08-486-348A-68

Query Match 82.1%; Score 1878; DB 2; Length 1255;
Best Local Similarity 83.0%; Pred. No. 9, 5e-156;
Matches 362; Conservative 9; Mismatches 45; Indels 20; Gaps 5;

DB 1 MELAALCRWGLLALPPGAASVOYCTGDMKRLPASPETHLDMRLHLYOGQVVOGNI 60
DB 1 MELAALCRWGLLALPPGAASVOYCTGDMKRLPASPETHLDMRLHLYOGQVVOGNI 60
DB 61 ELTYLPTNASTSLFDIOIEVQGVYLAHNOVQVPLQRLRIYRGTLQFEDNTALAVLDNG 120
DB 61 ELTYLPTNASTSLFDIOIEVQGVYLAHNOVQVPLQRLRIYRGTLQFEDNTALAVLDNG 120
DB 121 DPLANTPTVTGASPGGLRELQRLSLTEILKGVLIQNRNOLCYQDTIILKKDIFHKNNOLA 180
DB 121 DPLANTPTVTGASPGGLRELQRLSLTEILKGVLIQNRNOLCYQDTIILKKDIFHKNNOLA 180

QY 181 LFLIDNRSRACHPCSPMCKGSRGWESSEDCQSLTRIVCAGGACRCKPLPTDCHQC 240
181 LFLIDNRSRACHPCSPMCKGSRGWESSEDCQSLTRIVCAGGACRCKPLPTDCHQC 240
DB 241 AAGCTGPKRSDCLACHFNHSGICELHCPALVTYNTDFESMPNPEGRTFGASCYTAC 300
241 AAGCTGPKRSDCLACHFNHSGICELHCPALVTYNTDFESMPNPEGRTFGASCYTAC 300
DB 301 YVLTSDVGSCTLVCPHNOEYTAEDGTORCEKSKPCAR-----GTHSLPRPAVP 355
301 YVLTSDVGSCTLVCPHNOEYTAEDGTORCEKSKPCAR-----GTHSLPRPAVP 355
DB 361 YVLTSDVGSCTLVCPHNOEYTAEDGTORCEKSKPCARVGYGLGMEHLREVAVTSAN 360
361 YVLTSDVGSCTLVCPHNOEYTAEDGTORCEKSKPCARVGYGLGMEHLREVAVTSAN 360
QY 356 LKMOG--PAHPVLSFLRPSMDLVSAFSLPLAPLSPTSVPI-----SPVSGRGP 405
356 LKMOG--PAHPVLSFLRPSMDLVSAFSLPLAPLSPTSVPI-----SPVSGRGP 405
DB 361 IOEFAGCKKIFGSLAFLPESFDGDPASNT---APLQPELOVFEITLLEITGYLISAMD 417
361 IOEFAGCKKIFGSLAFLPESFDGDPASNT---APLQPELOVFEITLLEITGYLISAMD 417
QY 406 --PDAHVAVNLRYEG 419
406 --PDAHVAVNLRYEG 419
DB 418 SLPDLVFPONLOVIRG 433
418 SLPDLVFPONLOVIRG 433

RESULT 9

US-08-625-101-2
Sequence 2, Application US/08625101
Patent No. 5869445
GENERAL INFORMATION:
APPLICANT: Cheever, Martin A.
APPLICANT: Disis, Mary L.
TITLE OF INVENTION: COMPOUNDS FOR ELICITING OR ENHANCING IMMUNE
TITLE OF INVENTION: REACTIVITY TO HER-2/neu PROTEIN FOR PREVENTION
TITLE OF INVENTION: OR TREATMENT OF MALIGNANCIES IN WHICH THE HER-2/neu
NUMBER OF SEQUENCES: 4
CORRESPONDENCE ADDRESSES:
ADDRESSEE: SEED AND BERRY LLP
STREET: 6300 Columbia Center, 701 Fifth Avenue
CITY: Seattle
STATE: Washington
COUNTRY: USA
ZIP: 98104-7092
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patent Release #1.0, Version #1.30
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/625,101
FILING DATE: 01-APR-1996
CLASSIFICATION: 424
ATTORNEY/AGENT INFORMATION:
NAME: Sharkey, Richard G.
REGISTRATION NUMBER: 32,629
REFERENCE/DOCKET NUMBER: 920010.448C7
TELECOMMUNICATION INFORMATION:
TELEPHONE: (206) 622-4900
TELEFAX: (206) 682-6031
INFORMATION FOR SEQ ID NO: 2:
SEQUENCE CHARACTERISTICS:
LENGTH: 1255 amino acids
TYPE: amino acid
TOPOLOGY: linear
MOLECULE TYPE: protein
US-08-625-101-2

Query Match 82.1%; Score 1878; DB 2; Length 1255;
Best Local Similarity 83.0%; Pred. No. 9, 5e-156;
Matches 362; Conservative 9; Mismatches 45; Indels 20; Gaps 5;
QY 1 MELAALCRWGLLALLPGCASTQVCTGDMKRLPASPETHLMDLRHLYGCGVVOGML 60
DB 1 MELAALCRWGLLALLPGCASTQVCTGDMKRLPASPETHLMDLRHLYGCGVVOGML 60

QY 61 ELTYPTNASLSPFLODIOEVGCVLIANQVQVLPQRLRIYRGTQLEEDNTALAVLDNG 120
61 ELTYPTNASLSPFLODIOEVGCVLIANQVQVLPQRLRIYRGTQLEEDNTALAVLDNG 120
DB 61 ELTYPTNASLSPFLODIOEVGCVLIANQVQVLPQRLRIYRGTQLEEDNTALAVLDNG 120
QY 121 DPLNMTPTVGTASPGGLRELQRLSLTEILKGVLIQVLRNQLCYOPTILMKDIFHNNOA 180
121 DPLNMTPTVGTASPGGLRELQRLSLTEILKGVLIQVLRNQLCYOPTILMKDIFHNNOA 180
DB 121 DPLNMTPTVGTASPGGLRELQRLSLTEILKGVLIQVLRNQLCYOPTILMKDIFHNNOA 180
QY 181 LFLIDNRSRACHPCSPMCKGSRGWESSEDCQSLTRIVCAGGACRCKPLPTDCHQC 240
181 LFLIDNRSRACHPCSPMCKGSRGWESSEDCQSLTRIVCAGGACRCKPLPTDCHQC 240
DB 181 LFLIDNRSRACHPCSPMCKGSRGWESSEDCQSLTRIVCAGGACRCKPLPTDCHQC 240
QY 241 AAGCTGPKRSDCLACHFNHSGICELHCPALVTYNTDFESMPNPEGRTFGASCYTAC 300
241 AAGCTGPKRSDCLACHFNHSGICELHCPALVTYNTDFESMPNPEGRTFGASCYTAC 300
DB 241 AAGCTGPKRSDCLACHFNHSGICELHCPALVTYNTDFESMPNPEGRTFGASCYTAC 300
QY 301 YVLTSDVGSCTLVCPHNOEYTAEDGTORCEKSKPCAR-----GTHSLPRPAVP 355
301 YVLTSDVGSCTLVCPHNOEYTAEDGTORCEKSKPCAR-----GTHSLPRPAVP 355
DB 301 YVLTSDVGSCTLVCPHNOEYTAEDGTORCEKSKPCARVGYGLGMEHLREVAVTSAN 360
301 YVLTSDVGSCTLVCPHNOEYTAEDGTORCEKSKPCARVGYGLGMEHLREVAVTSAN 360
QY 356 LKMOG--PAHPVLSFLRPSMDLVSAFSLPLAPLSPTSVPI-----SPVSGRGP 405
356 LKMOG--PAHPVLSFLRPSMDLVSAFSLPLAPLSPTSVPI-----SPVSGRGP 405
DB 361 IOEFAGCKKIFGSLAFLPESFDGDPASNT---APLQPELOVFEITLLEITGYLISAMD 417
361 IOEFAGCKKIFGSLAFLPESFDGDPASNT---APLQPELOVFEITLLEITGYLISAMD 417
QY 406 --PDAHVAVNLRYEG 419
406 --PDAHVAVNLRYEG 419
DB 418 SLPDLVFPONLOVIRG 433
418 SLPDLVFPONLOVIRG 433

RESULT 10

US-08-468-545B-68
Sequence 68, Application US/08468545B
Patent No. 5876712
GENERAL INFORMATION:
APPLICANT: Cheever, Martin A.
APPLICANT: Disis, Mary L.
TITLE OF INVENTION: IMMUNE REACTIVITY TO HER-2/neu PROTEIN
TITLE OF INVENTION: FOR DIAGNOSIS AND TREATMENT OF MALIGNANCIES IN WHICH THE
NUMBER OF SEQUENCES: 69
CORRESPONDENCE ADDRESSES:
ADDRESSEE: Seed and Berry LLP
STREET: 6300 Columbia Center, 701 Fifth Avenue
CITY: Seattle
STATE: Washington
COUNTRY: US
ZIP: 98104-7092
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patent Release #1.0, Version #1.25
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/468,545B
FILING DATE: 06-JUN-1995
CLASSIFICATION: 424
ATTORNEY/AGENT INFORMATION:
NAME: Sharkey, Richard G.
REGISTRATION NUMBER: 32,629
REFERENCE/DOCKET NUMBER: 920010.448C5
TELECOMMUNICATION INFORMATION:
TELEPHONE: (206) 622-4900
TELEFAX: (206) 682-6031
INFORMATION FOR SEQ ID NO: 68:
SEQUENCE CHARACTERISTICS:
LENGTH: 1255 amino acids
TYPE: amino acid
TOPOLOGY: linear
US-08-468-545B-68

Query Match 82.1%; Score 1878; DB 2; Length 1255;
Best Local Similarity 83.0%; Pred. No. 9, 5e-156;
Matches 362; Conservative 9; Mismatches 45; Indels 20; Gaps 5;

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; SEQUENCE CHARACTERISTICS:
; LENGTH: 1255 amino acids
; TYPE: amino acid
; TOPOLOGY: linear
; MOLECULE TYPE: protein
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US-08-356-786-2

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Dd	1	MELTAAICRMGLLALLLP	PCPAASTOYCTGDMKRLPASPETHLMDLRHLKOGCOVQGNL	60
QY	61	ELTYLPFNASLSFLD	IOEVQGYVLIANNOYRQVPLRLRYRGTOI.FEDNYALAVLNDG	120
Dd	61	ELTYLPFNASLSFLD	IOEVQGYVLIANNOYRQVPLRLRYRGTOI.FEDNYALAVLNDG	120
QY	121	DPANNTTPVTSASPGL	RELOLRSLTEILKGGVLIOHRPOLCYODTILMDIPHKNNQOLA	180
Dd	121	DPANNTTPVTSASPGL	RELOLRSLTEILKGGVLIOHRPOLCYODTILMDIPHKNNQOLA	180
QY	181	LTLIDITNRSRACHPCS	PMCKSGRCMGESSEDDQSILTRTCVAGCAGCARCKGRLPTDCCHEQC	240
Dd	181	LTLIDITNRSRACHPCS	PMCKSGRCMGESSEDDQSILTRTCVAGCAGCARCKGRLPTDCCHEQC	240
QY	241	AACCTGPKHSDDCIACI	HFHNSGICELHCPALVYTYTDTFESEMPNBEGRYTRFGASCYTACP	300
Dd	241	AACCTGPKHSDDCIACI	HFHNSGICELHCPALVYTYTDTFESEMPNBEGRYTRFGASCYTACP	300
QY	301	YNLTSLDVGSCCTLVPC	LHNOGYTAEDGQORCEKSCPCAR-----GTHSLLRPRPAAVPV	355
Dd	301	YNLTSLDVGSCCTLVPC	LHNOGYTAEDGQORCEKSCPCAR-----GTHSLLRPRPAAVPV	355
QY	356	LRMQPG--PAHPLVSL	LRPSMDLVSAFYSLPLAPLSPTSVPI-----SPVSVGGRPD	405
Dd	356	LRMQPG--PAHPLVSL	LRPSMDLVSAFYSLPLAPLSPTSVPI-----SPVSVGGRPD	405
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Dd	406	--PDAAVAVNLS	RYEG	419
QY	418	SLDPDLSVFQNL	OVIRG	433
Dd	418	SLDPDLSVFQNL	OVIRG	433

REGISTRATION NUMBER: 32,629
 REFERENCE/DOCKET NUMBER: 920010.448C4
 TELECOMMUNICATION INFORMATION:
 TELEPHONE: (206) 622-4900
 TELEFAX: (206) 682-6031
 INFORMATION FOR SEQ. ID NO: 68:
 SEQUENCE CHARACTERISTICS:
 LENGTH: 1255 amino acids
 TYPE: amino acid
 TOPOLOGY: linear
 US-08-466-680B-68

Query Match 82.1%; Score 1878; DB 3; Length 1255;
 Best Local Similarity 83.0%; Pred. No. 9.5e-156;
 Matches 362; Conservative 9; Mismatches 45; Indels 20; Gaps 5;

1 MELAALCRWGLLALLPFGAASVQCTGDMKRLRLPASPETHLMDLRHLVYQCGVQVGNL 60
 1 MELAALCRWGLLALLPFGAASVQCTGDMKRLRLPASPETHLMDLRHLVYQCGVQVGNL 60
 61 ELTYLPTNASTLFLQDIOEVQGYVLLAHNQVROPVLRRLRYRGTLFEDNYALAVLNG 120
 61 ELTYLPTNASTLFLQDIOEVQGYVLLAHNQVROPVLRRLRYRGTLFEDNYALAVLNG 120
 121 DPLNNTPTVYGASPGGLRELQLRLSLTEILKGVLIORNPOLCYQDTILMKDIFHKNNOLA 180
 121 DPLNNTPTVYGASPGGLRELQLRLSLTEILKGVLIORNPOLCYQDTILMKDIFHKNNOLA 180
 121 DPLNNTPTVYGASPGGLRELQLRLSLTEILKGVLIORNPOLCYQDTILMKDIFHKNNOLA 180
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 181 LTLIDNRSRACHPCSPMCKGSRMGESSEDCOSLRTVACAGCARGKGLPTDCHEOC 240
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 301 YNLTSDVGSCTLVCPHLNQEVTAEDGTORCEKSPCAR-----GTHSLPRPAVPV 355
 301 YNLTSDVGSCTLVCPHLNQEVTAEDGTORCEKSPCAR-----GTHSLPRPAVPV 355
 301 YNLTSDVGSCTLVCPHLNQEVTAEDGTORCEKSPCAR-----GTHSLPRPAVPV 355
 301 YNLTSDVGSCTLVCPHLNQEVTAEDGTORCEKSPCAR-----GTHSLPRPAVPV 355
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 356 LRMQPG--PAHPLYSLRPSMDLVSAFYSLLAPLSPTSVP-----SPVSVGRGP 405
 361 IOEFACCKKIFGSLALPESFDGDPASNT---APLPOLQVETLEITGYLYISAMP 417
 361 IOEFACCKKIFGSLALPESFDGDPASNT---APLPOLQVETLEITGYLYISAMP 417
 406 --PDHVAVNLSTYEG 419
 406 --PDHVAVNLSTYEG 419
 418 SLPLDSVFQNLQYIRG 433
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RESULT 13
 US-09-527-487-2
 Sequence 2, Application US/09527487
 Patent No. 6528060
 GENERAL INFORMATION:
 APPLICANT: Nicolette, Charles
 TITLE OF INVENTION: HER2 ANTIGENIC PEPTIDES
 FILE REFERENCE: 126881309200
 CURRENT APPLICATION NUMBER: US/09/527,487
 CURRENT FILING DATE: 2000-03-16
 NUMBER OF SEQ ID NOS: 9
 SOFTWARE: PatentIn Ver. 2.1
 SEQ ID NO 2
 LENGTH: 1255
 TYPE: PRT
 ORGANISM: Homo sapiens
 US-09-527-487-2

Query Match 82.1%; Score 1878; DB 4; Length 1255;
 Best Local Similarity 83.0%; Pred. No. 9.5e-156;
 Matches 362; Conservative 9; Mismatches 45; Indels 20; Gaps 5;
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 1 MELAALCRWGLLALLPFGAASVQCTGDMKRLRLPASPETHLMDLRHLVYQCGVQVGNL 60

1 MELAALCRWGLLALLPFGAASVQCTGDMKRLRLPASPETHLMDLRHLVYQCGVQVGNL 60
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 61 ELTYLPTNASTLFLQDIOEVQGYVLLAHNQVROPVLRRLRYRGTLFEDNYALAVLNG 120
 61 ELTYLPTNASTLFLQDIOEVQGYVLLAHNQVROPVLRRLRYRGTLFEDNYALAVLNG 120
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 181 LTLIDNRSRACHPCSPMCKGSRMGESSEDCOSLRTVACAGCARGKGLPTDCHEOC 240
 181 LTLIDNRSRACHPCSPMCKGSRMGESSEDCOSLRTVACAGCARGKGLPTDCHEOC 240
 181 LTLIDNRSRACHPCSPMCKGSRMGESSEDCOSLRTVACAGCARGKGLPTDCHEOC 240
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 241 AAGCTGPKHSDCLACHFNHSGICELHCPALVYNTDTESMNPEGRTYFGASCTYAC 300
 241 AAGCTGPKHSDCLACHFNHSGICELHCPALVYNTDTESMNPEGRTYFGASCTYAC 300
 301 YNLTSDVGSCTLVCPHLNQEVTAEDGTORCEKSPCAR-----GTHSLPRPAVPV 355
 301 YNLTSDVGSCTLVCPHLNQEVTAEDGTORCEKSPCAR-----GTHSLPRPAVPV 355
 301 YNLTSDVGSCTLVCPHLNQEVTAEDGTORCEKSPCAR-----GTHSLPRPAVPV 355
 356 LRMQPG--PAHPLYSLRPSMDLVSAFYSLLAPLSPTSVP-----SPVSVGRGP 405
 356 LRMQPG--PAHPLYSLRPSMDLVSAFYSLLAPLSPTSVP-----SPVSVGRGP 405
 361 IOEFACCKKIFGSLALPESFDGDPASNT---APLPOLQVETLEITGYLYISAMP 417
 361 IOEFACCKKIFGSLALPESFDGDPASNT---APLPOLQVETLEITGYLYISAMP 417
 406 --PDHVAVNLSTYEG 419
 406 --PDHVAVNLSTYEG 419
 418 SLPLDSVFQNLQYIRG 433
 418 SLPLDSVFQNLQYIRG 433

RESULT 14
 US-08-422-108-1
 Sequence 1, Application US/08422108
 Patent No. 6015567
 GENERAL INFORMATION:
 APPLICANT: Hudziak, Robert M.
 APPLICANT: Shepard, H. Michael
 APPLICANT: Ullrich, Axel
 TITLE OF INVENTION: HER2 EXTRACELLULAR DOMAIN
 NUMBER OF SEQUENCES: 2
 CORRESPONDENCE ADDRESS:
 ADDRESSEE: Genentech, Inc.
 STREET: 460 Point San Bruno Blvd
 CITY: South San Francisco
 STATE: California
 COUNTRY: USA
 ZIP: 94080
 COMPUTER READABLE FORM:
 MEDIUM TYPE: 3.5 inch, 1.44 Mb floppy disk
 COMPUTER: IBM PC compatible
 OPERATING SYSTEM: PC-DOS/MS-DOS
 SOFTWARE: Winpatin (Genentech)
 CURRENT APPLICATION DATA:
 APPLICATION NUMBER: US/08/422,108
 FILING DATE: 14-Apr-1995
 CLASSIFICATION: 435
 PRIOR APPLICATION DATA:
 APPLICATION NUMBER: 08/355460
 FILING DATE: 13-DEC-1994
 PRIOR APPLICATION DATA:
 APPLICATION NUMBER: 08/048346
 FILING DATE: 15-APR-1993
 APPLICATION DATA:
 APPLICATION NUMBER: 07/354319
 FILING DATE: 19-MAY-1989
 ATTORNEY/AGENT INFORMATION:
 NAME: Lee, Wendy M
 REGISTRATION NUMBER: 00,000
 REFERENCE/DOCKET NUMBER: 554C2D2
 TELECOMMUNICATION INFORMATION:
 TELEPHONE: 415/225-1994
 TELEFAX: 415/952-9881

TELEX: 910/371-7168
 INFORMATION FOR SEQ ID NO: 1:
 SEQUENCE CHARACTERISTICS:
 LENGTH: 624 amino acids
 TYPE: Amino Acid
 TOPOLOGY: Linear

US-08-422-108-1

Query Match 77.4%; Score 1769; DB 3; Length 624;
 Best Local Similarity 82.2%; Pred. No. 1.3e-146;
 Matches 341; Conservative 9; Mismatches 45; Indels 20; Gaps 5;

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 DB 1 STQVCTGTDMLRLPASPETHLDMRLHLYOGCVOGNELEYLPPTNASTSLFQDIQEVQ 60
 QY 82 GYVLIHNVROYPLQRLRIVRGTOLEEDNYALAVLDNGDPLNTPPVYGASGGLREIQ 141
 DB 61 GYVLIHNVROYPLQRLRIVRGTOLEEDNYALAVLDNGDPLNTPPVYGASGGLREIQ 120
 QY 142 LRSLEILKGVLIQHNPOLCYODTILMKDIFKNNQALTLTIDNRSRACHPCSPCKG 201
 DB 121 LRSLEILKGVLIQHNPOLCYODTILMKDIFKNNQALTLTIDNRSRACHPCSPCKG 180
 QY 202 SRCWGESSEDCOSLRTVCAGGCARCKGPLPTDCHEGCAAGCTGPKHSDCLACLFHNS 261
 DB 181 SRCWGESSEDCOSLRTVCAGGCARCKGPLPTDCHEGCAAGCTGPKHSDCLACLFHNS 240
 QY 262 GICEIHCPLALVYNTDTFESMPNBERGYTFGASCVCAPRYNYLSTVGSCTLVCPPLHNE 321
 DB 241 GICEIHCPLALVYNTDTFESMPNBERGYTFGASCVCAPRYNYLSTVGSCTLVCPPLHNE 300
 QY 322 VTAEDGTORCEKSKPCAR-----GTHSLRPAAVPLRMOPG--PAHPVLSFLRPSW 374
 DB 301 VTAEDGTORCEKSKPCARCYGLGMEHLREVAAYVSANIQEFAGCKKIFGSLAFLEPSEF 360
 QY 375 DLVSAYSLPLADLPTSVPI-----SPVSVGRGPD--PDAAVAVNLSRYEG 419
 DB 361 DGDPAASNT---APLQPEQLQVFEETLEITEYIYISAMPDLSPLSVFQNLQVIRG 412

RESULT 15
 US-08-422-734-1
 Sequence 1, Application US/08422734
 Patent No. 6333169
 GENERAL INFORMATION:
 APPLICANT: Huddziak, Robert M.
 APPLICANT: Shepard, H. Michael
 APPLICANT: Ullrich, Axel
 TITLE OF INVENTION: HER2 EXTRACELLULAR DOMAIN
 NUMBER OF SEQUENCES: 2
 CORRESPONDENCE ADDRESS:
 ADDRESSEE: Genentech, Inc.
 STREET: 460 Point San Bruno Blvd
 CITY: South San Francisco
 STATE: California
 COUNTRY: USA
 ZIP: 94080
 COMPUTER READABLE FORM:
 MEDIUM TYPE: 3.5 inch, 1.44 Mb floppy disk
 COMPUTER: IBM PC compatible
 OPERATING SYSTEM: PC-DOS/MS-DOS
 SOFTWARE: Minipat (Genentech)
 CURRENT APPLICATION DATA:
 APPLICATION NUMBER: US/08/422,734
 FILING DATE:
 CLASSIFICATION: 435
 PRIOR APPLICATION DATA:
 APPLICATION NUMBER: 08/422108
 FILING DATE: 14-Apr-1995
 APPLICATION NUMBER: 08/355460
 FILING DATE: 13-Dec-1994
 PRIOR APPLICATION DATA:

APPLICATION NUMBER: 08/048346
 FILING DATE: 15-APR-1993
 PRIOR APPLICATION DATA:
 APPLICATION NUMBER: 07/354319
 FILING DATE: 19-MAY-1989
 ATTORNEY/AGENT INFORMATION:
 NAME: Lee, Wendy M
 REGISTRATION NUMBER: 00,000
 REFERENCE/DOCKET NUMBER: 554C2D1
 TELECOMMUNICATION INFORMATION:
 TELEPHONE: 415/225-1994
 TELEFAX: 415/952-9881
 TELEX: 910/371-7168
 INFORMATION FOR SEQ ID NO: 1:
 SEQUENCE CHARACTERISTICS:
 LENGTH: 624 amino acids
 TYPE: Amino Acid
 TOPOLOGY: Linear

US-08-422-734-1

Query Match 77.4%; Score 1769; DB 4; Length 624;
 Best Local Similarity 82.2%; Pred. No. 1.3e-146;
 Matches 341; Conservative 9; Mismatches 45; Indels 20; Gaps 5;

QY 22 STQVCTGTDMLRLPASPETHLDMRLHLYOGCVOGNELEYLPPTNASTSLFQDIQEVQ 81
 DB 1 STQVCTGTDMLRLPASPETHLDMRLHLYOGCVOGNELEYLPPTNASTSLFQDIQEVQ 60
 QY 82 GYVLIHNVROYPLQRLRIVRGTOLEEDNYALAVLDNGDPLNTPPVYGASGGLREIQ 141
 DB 61 GYVLIHNVROYPLQRLRIVRGTOLEEDNYALAVLDNGDPLNTPPVYGASGGLREIQ 120
 QY 142 LRSLEILKGVLIQHNPOLCYODTILMKDIFKNNQALTLTIDNRSRACHPCSPCKG 201
 DB 121 LRSLEILKGVLIQHNPOLCYODTILMKDIFKNNQALTLTIDNRSRACHPCSPCKG 180
 QY 202 SRCWGESSEDCOSLRTVCAGGCARCKGPLPTDCHEGCAAGCTGPKHSDCLACLFHNS 261
 DB 181 SRCWGESSEDCOSLRTVCAGGCARCKGPLPTDCHEGCAAGCTGPKHSDCLACLFHNS 240
 QY 262 GICEIHCPLALVYNTDTFESMPNBERGYTFGASCVCAPRYNYLSTVGSCTLVCPPLHNE 321
 DB 241 GICEIHCPLALVYNTDTFESMPNBERGYTFGASCVCAPRYNYLSTVGSCTLVCPPLHNE 300
 QY 322 VTAEDGTORCEKSKPCAR-----GTHSLRPAAVPLRMOPG--PAHPVLSFLRPSW 374
 DB 301 VTAEDGTORCEKSKPCARCYGLGMEHLREVAAYVSANIQEFAGCKKIFGSLAFLEPSEF 360
 QY 375 DLVSAYSLPLADLPTSVPI-----SPVSVGRGPD--PDAAVAVNLSRYEG 419
 DB 361 DGDPAASNT---APLQPEQLQVFEETLEITEYIYISAMPDLSPLSVFQNLQVIRG 412

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GenCore version 5.1.6
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OM protein - protein search, using sw model

Run on: September 3, 2003, 16:40:57 ; Search time 35.3373 Seconds
(without alignments)
1628.029 Million cell updates/sec

Title: US-09-234-208b-2
Perfect score: 2287
Sequence: 1 METALCRWGLLALLPGAA.....VGRGPDPAHVAVNLSRYEG 419

Scoring table: BLOSUM62
Gapop 10.0 , Gapext 0.5

Searched: 513375 seqs, 137303645 residues

Total number of hits satisfying chosen parameters: 513375

Minimum DB seq length: 0
Maximum DB seq length: 2000000000

Post-processing: Minimum Match 0%
Maximum Match 100%
Listing first 45 summaries

Database :

Published_Applications_AA.*
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Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	Query Match	Length	ID	Description
1	1878	82.1	645	9	US-09-921-161-1
2	1878	82.1	645	10	US-10-268-501-13
3	1878	82.1	653	15	US-09-854-356-3
4	1878	82.1	712	10	US-09-854-356-7
5	1878	82.1	919	10	US-09-854-356-6
6	1878	82.1	1253	15	US-10-146-473-72
7	1878	82.1	1255	9	US-09-811-123-9
8	1878	82.1	1255	9	US-09-811-115-3
9	1878	82.1	1255	10	US-09-769-508-2
10	1878	82.1	1255	10	US-09-854-356-1
11	1878	82.1	1255	10	US-09-930-125-2
12	1878	82.1	1255	11	US-09-441-411-6
13	1878	82.1	1255	11	US-10-207-498-6
14	1878	82.1	1255	12	US-10-338-730-2
15	1878	82.1	1255	12	US-10-313-644-2

16	1878	82.1	1255	15	US-10-207-655-45	Sequence 45, Appl
17	1878	82.1	1255	15	US-10-177-293-126	Sequence 126, App
18	1612.5	70.5	479	9	US-09-821-883-5	Sequence 5, Appl
19	1610.5	70.4	564	9	US-09-821-883-3	Sequence 3, Appl
20	1610.5	70.4	697	9	US-09-821-883-4	Sequence 4, Appl
21	1608.5	70.3	654	10	US-09-854-356-8	Sequence 8, Appl
22	1608.5	70.3	1256	10	US-09-854-356-2	Sequence 2, Appl
23	1608.5	70.3	1260	10	US-09-870-759-118	Sequence 118, App
24	1608.5	70.3	1260	12	US-09-751-708A-118	Sequence 118, App
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26	1607	70.3	690	9	US-09-821-883-2	Sequence 2, Appl
27	1597.5	69.9	1256	10	US-09-854-356-14	Sequence 14, Appl
28	1587	69.4	289	9	US-09-821-883-23	Sequence 23, Appl
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30	860	37.6	166	12	US-10-356-824-1	Sequence 1, Appl
31	793	34.7	405	15	US-10-207-655-43	Sequence 43, Appl
32	793	34.7	405	15	US-10-207-655-49	Sequence 49, Appl
33	793	34.7	657	15	US-10-172-620-18	Sequence 18, Appl
34	793	34.7	1210	9	US-09-725-433-2	Sequence 2, Appl
35	775	33.9	1308	10	US-09-940-101-2	Sequence 2, Appl
36	775	33.9	1308	15	US-10-207-655-47	Sequence 47, Appl
37	773	33.8	478	9	US-09-867-521-2	Sequence 2, Appl
38	773	33.8	478	15	US-10-302-868A-2	Sequence 2, Appl
39	771	33.7	615	10	US-09-940-101-4	Sequence 4, Appl
40	735.5	32.2	1342	12	US-10-207-498-2	Sequence 2, Appl
41	735.5	32.2	1342	15	US-10-172-620-16	Sequence 16, Appl
42	260	11.4	120	15	US-10-172-620-17	Sequence 17, Appl
43	257.5	11.3	1367	10	US-09-870-759-120	Sequence 120, App
44	257.5	11.3	1367	12	US-09-751-708A-120	Sequence 120, App
45	257.5	11.3	1367	15	US-10-177-293-226	Sequence 226, App

ALIGNMENTS

RESULT 1
US-09-921-161-1
; Sequence 1, Application US/09921161
; Patent No. US2002090662A1
; GENERAL INFORMATION:
; APPLICANT: Ralph, Peter
; TITLE OF INVENTION: ANALYTICAL METHOD
; FILE REFERENCE: GENENT 066A
; CURRENT APPLICATION NUMBER: US/09/921,161
; CURRENT FILING DATE: 2001-08-01
; PRIOR APPLICATION NUMBER: 60/225,433
; PRIOR FILING DATE: 2000-08-15
; NUMBER OF SEQ ID NOS: 1
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 1
; LENGTH: 645
; TYPE: PRT
; ORGANISM: Homo sapiens
US-09-921-161-1

Query Match	82.1%;	Score 1878;	DB 9;	Length 645;
Best local Similarity	83.0%;	Pred. No. 1.1e-147;		
Matches 362;	Conservative 9;	Mismatches 45;	Indels 20;	Gaps 5;
OY	1	METALCRWGLLALLPGAASTOVC	TGDMRLRLPASPETHLDMRLHYQCGVQGNL	60
DB	1	METALCRWGLLALLPGAASTOVC	TGDMRLRLPASPETHLDMRLHYQCGVQGNL	60
OY	61	ELTYLPTNASTLSFLDIOGVGYVLA	HNQVQVPLQRLRYRGVQLFEDNALAVLNDG	120
DB	61	ELTYLPTNASTLSFLDIOGVGYVLA	HNQVQVPLQRLRYRGVQLFEDNALAVLNDG	120
OY	121	DLPLNTTPTVGTGASPGRLRLQRLS	TEIKKGVLLIQRNPQLCYOPTILMKDIFHKNOLA	180
DB	121	DLPLNTTPTVGTGASPGRLRLQRLS	TEIKKGVLLIQRNPQLCYOPTILMKDIFHKNOLA	180
OY	181	LTLLDTRNSRACHPCSPMKGSRG	ESSEDCQSLTRVYACGACARCKPLPTDCHEQC	240
DB	181	LTLLDTRNSRACHPCSPMKGSRG	ESSEDCQSLTRVYACGACARCKPLPTDCHEQC	240

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Db      181 LTLIDTNSRACHPCSPMKSGRCWGESSEDCQSLRTVYACAGCARCKGPLEPTDCHEQC 240
QY      241 AAGCTGPKHSDCLACLFHNSGICELHCPALVTYNTDFESMPNEGRTTFGASCVTACP 300
        |||
Db      241 AAGCTGPKHSDCLACLFHNSGICELHCPALVTYNTDFESMPNEGRTTFGASCVTACP 300
QY      301 YNYLSTDVSGCTLVCPPLHNOEYTAEDGTORCEKCSKPCAR-----GTHSLPRPAVPVP 355
        |||
Db      301 YNYLSTDVSGCTLVCPPLHNOEYTAEDGTORCEKCSKPCAR-----GTHSLPRPAVPVP 355
QY      356 LRMQPG--PAHPVLSFLRPSMDLVSAFYSLPLAPLSPTSVPI-----SPVSVGRGPD 405
        |||
Db      361 IOEFAGCKKIFGSLAFLPESFDGDPASNT---APLOPELOQVFEETLEETIGLYISAMPD 417
        |||
QY      406 --PDAHVAVNLSRYEG 419
        |||
Db      418 SLPDLVSFQNLQVIRG 433

RESULT 2
US-10-268-501-13
; Sequence 13, Application US/10268501
; Publication No. US20030086924A1
; GENERAL INFORMATION:
; APPLICANT: Sliwowski, Mark X.
; TITLE OF INVENTION: Treatment with Anti-ErbB2 Antibodies
; FILE REFERENCE: P1467R2P1
; CURRENT APPLICATION NUMBER: US/10/268,501
; PRIOR FILING DATE: 2002-10-10
; PRIOR APPLICATION NUMBER: US 09/602,812
; PRIOR FILING DATE: 2000-06-23
; PRIOR APPLICATION NUMBER: US 60/141,316
; PRIOR FILING DATE: 1999-06-25
; NUMBER OF SEQ ID NOS: 13
; SEQ ID NO 13
; LENGTH: 645
; TYPE: PRT
; ORGANISM: Homo sapiens
US-10-268-501-13

Query Match      82.1%; Score 1878; DB 15; Length 645;
Best Local Similarity 83.0%; Pred. No. 1.1e-147;
Matches 362; Conservative 9; Mismatches 45; Indels 20; Gaps 5;

QY      1 MELALCRWGLLALLPFGAASCTGYCTGDMKRLRPASPEHLDMLRHLYGCGQVVOGNTL 60
        |||
Db      1 MELALCRWGLLALLPFGAASCTGYCTGDMKRLRPASPEHLDMLRHLYGCGQVVOGNTL 60
QY      61 ELTYLPTNASLSFLDIOEVQGYVLIHNOVROVPLQRLRIYRGTOLEFDNYALAVLDNG 120
        |||
Db      61 ELTYLPTNASLSFLDIOEVQGYVLIHNOVROVPLQRLRIYRGTOLEFDNYALAVLDNG 120
QY      121 DPLNNTPTVTGASPGGLRELQRLSLTEILKGGVLIQIRNPOLCYODTILMKDIFHKNNOIA 180
        |||
Db      121 DPLNNTPTVTGASPGGLRELQRLSLTEILKGGVLIQIRNPOLCYODTILMKDIFHKNNOIA 180
QY      181 LTLIDTNSRACHPCSPMKSGRCWGESSEDCQSLRTVYACAGCARCKGPLEPTDCHEQC 240
        |||
Db      181 LTLIDTNSRACHPCSPMKSGRCWGESSEDCQSLRTVYACAGCARCKGPLEPTDCHEQC 240
QY      241 AAGCTGPKHSDCLACLFHNSGICELHCPALVTYNTDFESMPNEGRTTFGASCVTACP 300
        |||
Db      241 AAGCTGPKHSDCLACLFHNSGICELHCPALVTYNTDFESMPNEGRTTFGASCVTACP 300
QY      301 YNYLSTDVSGCTLVCPPLHNOEYTAEDGTORCEKCSKPCAR-----GTHSLPRPAVPVP 355
        |||
Db      301 YNYLSTDVSGCTLVCPPLHNOEYTAEDGTORCEKCSKPCAR-----GTHSLPRPAVPVP 355
QY      356 LRMQPG--PAHPVLSFLRPSMDLVSAFYSLPLAPLSPTSVPI-----SPVSVGRGPD 405
        |||
Db      361 IOEFAGCKKIFGSLAFLPESFDGDPASNT---APLOPELOQVFEETLEETIGLYISAMPD 417
        |||
QY      406 --PDAHVAVNLSRYEG 419
        |||

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Db      418 SLPDLVSFQNLQVIRG 433

RESULT 3
US-09-854-356-3
; Sequence 3, Application US/09854356
; Patent No. US20020177567A1
; GENERAL INFORMATION:
; APPLICANT: Cheever, Martin A.
; APPLICANT: Corixa Corporation
; APPLICANT: SmithKline Beecham Biologicals S. A.
; TITLE OF INVENTION: HER-2/neu Fusion Proteins
; FILE REFERENCE: 014058-009810PC
; CURRENT APPLICATION NUMBER: US/09/854,356
; CURRENT FILING DATE: 2001-05-09
; PRIOR APPLICATION NUMBER: US 09/493,480
; PRIOR FILING DATE: 2000-01-28
; PRIOR APPLICATION NUMBER: US 60/117,976
; PRIOR FILING DATE: 1999-01-29
; NUMBER OF SEQ ID NOS: 26
; SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 3
; LENGTH: 653
; TYPE: PRT
; ORGANISM: Homo sapiens
; FEATURE:
; OTHER INFORMATION: extracellular domain (ECD) of human HER-2/neu
US-09-854-356-3

Query Match      82.1%; Score 1878; DB 10; Length 653;
Best Local Similarity 83.0%; Pred. No. 1.1e-147;
Matches 362; Conservative 9; Mismatches 45; Indels 20; Gaps 5;

QY      1 MELALCRWGLLALLPFGAASCTGYCTGDMKRLRPASPEHLDMLRHLYGCGQVVOGNTL 60
        |||
Db      1 MELALCRWGLLALLPFGAASCTGYCTGDMKRLRPASPEHLDMLRHLYGCGQVVOGNTL 60
QY      61 ELTYLPTNASLSFLDIOEVQGYVLIHNOVROVPLQRLRIYRGTOLEFDNYALAVLDNG 120
        |||
Db      61 ELTYLPTNASLSFLDIOEVQGYVLIHNOVROVPLQRLRIYRGTOLEFDNYALAVLDNG 120
QY      121 DPLNNTPTVTGASPGGLRELQRLSLTEILKGGVLIQIRNPOLCYODTILMKDIFHKNNOIA 180
        |||
Db      121 DPLNNTPTVTGASPGGLRELQRLSLTEILKGGVLIQIRNPOLCYODTILMKDIFHKNNOIA 180
QY      181 LTLIDTNSRACHPCSPMKSGRCWGESSEDCQSLRTVYACAGCARCKGPLEPTDCHEQC 240
        |||
Db      181 LTLIDTNSRACHPCSPMKSGRCWGESSEDCQSLRTVYACAGCARCKGPLEPTDCHEQC 240
QY      241 AAGCTGPKHSDCLACLFHNSGICELHCPALVTYNTDFESMPNEGRTTFGASCVTACP 300
        |||
Db      241 AAGCTGPKHSDCLACLFHNSGICELHCPALVTYNTDFESMPNEGRTTFGASCVTACP 300
QY      301 YNYLSTDVSGCTLVCPPLHNOEYTAEDGTORCEKCSKPCAR-----GTHSLPRPAVPVP 355
        |||
Db      301 YNYLSTDVSGCTLVCPPLHNOEYTAEDGTORCEKCSKPCAR-----GTHSLPRPAVPVP 355
QY      356 LRMQPG--PAHPVLSFLRPSMDLVSAFYSLPLAPLSPTSVPI-----SPVSVGRGPD 405
        |||
Db      361 IOEFAGCKKIFGSLAFLPESFDGDPASNT---APLOPELOQVFEETLEETIGLYISAMPD 417
        |||
QY      406 --PDAHVAVNLSRYEG 419
        |||
Db      418 SLPDLVSFQNLQVIRG 433

RESULT 4
US-09-854-356-7
; Sequence 7, Application US/09854356
; Patent No. US20020177567A1
; GENERAL INFORMATION:

```

; APPLICANT: Cheever, Martin A.
 ; APPLICANT: Gheysen, Dirk
 ; APPLICANT: Corixa Corporation
 ; APPLICANT: SmithKline Beecham Biologicals S. A.
 ; TITLE OF INVENTION: HER-2/neu Fusion Proteins
 ; FILE REFERENCE: 014058-009810PC
 ; CURRENT APPLICATION NUMBER: US/09/854,356
 ; CURRENT FILING DATE: 2001-05-09
 ; PRIOR APPLICATION NUMBER: US 09/493,480
 ; PRIOR FILING DATE: 1999-01-29
 ; PRIOR APPLICATION NUMBER: US 60/117,976
 ; NUMBER OF SEQ ID NOS: 26
 ; SOFTWARE: Patent In Ver. 2.1
 ; SEQ ID NO 7
 ; LENGTH: 712
 ; TYPE: PRF
 ; ORGANISM: Artificial Sequence
 ; FEATURE:
 ; OTHER INFORMATION: Description of Artificial Sequence: fusion protein
 ; OTHER INFORMATION: of ECD and delta PD of human HER-2/neu
 ; US-09-854-356-7

Query Match 82.1%; Score 1878; DB 10; Length 712;
 Best Local Similarity 83.0%; Pred. No. 1.2e-147;
 Matches 362; Conservative 9; Mismatches 45; Indels 20; Gaps 5;

QY 1 MELALCRWGLLALLPPGAATGYCTGDMKRLPASPETHLDMRLHLYGCGVYQGNL 60
 DB 1 MELALCRWGLLALLPPGAATGYCTGDMKRLPASPETHLDMRLHLYGCGVYQGNL 60
 QY 61 ELTYLPTNASLSFLDIOEVQGYVLIANHQRVPLQRLRIYRGQLFEDNYALAVLNG 120
 DB 61 ELTYLPTNASLSFLDIOEVQGYVLIANHQRVPLQRLRIYRGQLFEDNYALAVLNG 120
 QY 121 DPLNNTPTVGTGSPGGRLQLRSLEILKGVLIQRNPQLCYODTIIMKDIFFHKNOLA 180
 DB 121 DPLNNTPTVGTGSPGGRLQLRSLEILKGVLIQRNPQLCYODTIIMKDIFFHKNOLA 180
 QY 121 DPLNNTPTVGTGSPGGRLQLRSLEILKGVLIQRNPQLCYODTIIMKDIFFHKNOLA 180
 DB 121 DPLNNTPTVGTGSPGGRLQLRSLEILKGVLIQRNPQLCYODTIIMKDIFFHKNOLA 180
 QY 181 LFLIDTNRBRACHPSPCKGSRGWSESDCOSLTRVCAGGACARCKPLPTDCCHGC 240
 DB 181 LFLIDTNRBRACHPSPCKGSRGWSESDCOSLTRVCAGGACARCKPLPTDCCHGC 240
 QY 181 LFLIDTNRBRACHPSPCKGSRGWSESDCOSLTRVCAGGACARCKPLPTDCCHGC 240
 DB 181 LFLIDTNRBRACHPSPCKGSRGWSESDCOSLTRVCAGGACARCKPLPTDCCHGC 240
 QY 241 AAGCTGPKHSDCLACLFHNSGICELHCPALVTYNTDFESMPNEGRTTFGASCVTACP 300
 DB 241 AAGCTGPKHSDCLACLFHNSGICELHCPALVTYNTDFESMPNEGRTTFGASCVTACP 300
 QY 241 AAGCTGPKHSDCLACLFHNSGICELHCPALVTYNTDFESMPNEGRTTFGASCVTACP 300
 DB 241 AAGCTGPKHSDCLACLFHNSGICELHCPALVTYNTDFESMPNEGRTTFGASCVTACP 300
 QY 301 YNYLSTDVGSCTLVCPPLHNOEYTAEDGTORCKCKSPCAR-----GTHSLPRPAVP 355
 DB 301 YNYLSTDVGSCTLVCPPLHNOEYTAEDGTORCKCKSPCAR-----GTHSLPRPAVP 355
 QY 301 YNYLSTDVGSCTLVCPPLHNOEYTAEDGTORCKCKSPCAR-----GTHSLPRPAVP 355
 DB 301 YNYLSTDVGSCTLVCPPLHNOEYTAEDGTORCKCKSPCAR-----GTHSLPRPAVP 355
 QY 356 LRMQGG--PAHVLFLRPSMDLVSAFVSLPLAPLSPTSVPI-----SPVSVGRGPD 405
 DB 356 LRMQGG--PAHVLFLRPSMDLVSAFVSLPLAPLSPTSVPI-----SPVSVGRGPD 405
 QY 361 IOEFAGCKKIRFSLAFLEPSFGDPAASNT---APLOPELOVFEIIEETGILYISAMPD 417
 DB 361 IOEFAGCKKIRFSLAFLEPSFGDPAASNT---APLOPELOVFEIIEETGILYISAMPD 417
 QY 406 --PDAHVAVNLISRYEG 419
 DB 406 --PDAHVAVNLISRYEG 419
 QY 418 SLPDLVFNQLQVIRG 433
 DB 418 SLPDLVFNQLQVIRG 433

RESULT 5
 ; US-09-854-356-6
 ; Sequence 6, Application US/09854356
 ; Patent No. US20020177567A1
 ; GENERAL INFORMATION:
 ; APPLICANT: Cheever, Martin A.
 ; APPLICANT: Gheysen, Dirk
 ; APPLICANT: Corixa Corporation
 ; APPLICANT: SmithKline Beecham Biologicals S. A.
 ; TITLE OF INVENTION: HER-2/neu Fusion Proteins
 ; FILE REFERENCE: 014058-009810PC
 ; CURRENT APPLICATION NUMBER: US/09/854,356
 ; CURRENT FILING DATE: 2001-05-09

; PRIOR APPLICATION NUMBER: US 09/493,480
 ; PRIOR FILING DATE: 2000-01-28
 ; PRIOR APPLICATION NUMBER: US 60/117,976
 ; PRIOR FILING DATE: 1999-01-29
 ; NUMBER OF SEQ ID NOS: 26
 ; SOFTWARE: Patent In Ver. 2.1
 ; SEQ ID NO 6
 ; LENGTH: 919
 ; TYPE: PRF
 ; ORGANISM: Artificial Sequence
 ; FEATURE:
 ; OTHER INFORMATION: Description of Artificial Sequence: fusion protein
 ; OTHER INFORMATION: of ECD and PD of human HER-2/neu
 ; US-09-854-356-6

Query Match 82.1%; Score 1878; DB 10; Length 919;
 Best Local Similarity 83.0%; Pred. No. 1.6e-147;
 Matches 362; Conservative 9; Mismatches 45; Indels 20; Gaps 5;

QY 1 MELALCRWGLLALLPPGAATGYCTGDMKRLPASPETHLDMRLHLYGCGVYQGNL 60
 DB 1 MELALCRWGLLALLPPGAATGYCTGDMKRLPASPETHLDMRLHLYGCGVYQGNL 60
 QY 61 ELTYLPTNASLSFLDIOEVQGYVLIANHQRVPLQRLRIYRGQLFEDNYALAVLNG 120
 DB 61 ELTYLPTNASLSFLDIOEVQGYVLIANHQRVPLQRLRIYRGQLFEDNYALAVLNG 120
 QY 121 DPLNNTPTVGTGSPGGRLQLRSLEILKGVLIQRNPQLCYODTIIMKDIFFHKNOLA 180
 DB 121 DPLNNTPTVGTGSPGGRLQLRSLEILKGVLIQRNPQLCYODTIIMKDIFFHKNOLA 180
 QY 121 DPLNNTPTVGTGSPGGRLQLRSLEILKGVLIQRNPQLCYODTIIMKDIFFHKNOLA 180
 DB 121 DPLNNTPTVGTGSPGGRLQLRSLEILKGVLIQRNPQLCYODTIIMKDIFFHKNOLA 180
 QY 181 LFLIDTNRBRACHPSPCKGSRGWSESDCOSLTRVCAGGACARCKPLPTDCCHGC 240
 DB 181 LFLIDTNRBRACHPSPCKGSRGWSESDCOSLTRVCAGGACARCKPLPTDCCHGC 240
 QY 181 LFLIDTNRBRACHPSPCKGSRGWSESDCOSLTRVCAGGACARCKPLPTDCCHGC 240
 DB 181 LFLIDTNRBRACHPSPCKGSRGWSESDCOSLTRVCAGGACARCKPLPTDCCHGC 240
 QY 241 AAGCTGPKHSDCLACLFHNSGICELHCPALVTYNTDFESMPNEGRTTFGASCVTACP 300
 DB 241 AAGCTGPKHSDCLACLFHNSGICELHCPALVTYNTDFESMPNEGRTTFGASCVTACP 300
 QY 241 AAGCTGPKHSDCLACLFHNSGICELHCPALVTYNTDFESMPNEGRTTFGASCVTACP 300
 DB 241 AAGCTGPKHSDCLACLFHNSGICELHCPALVTYNTDFESMPNEGRTTFGASCVTACP 300
 QY 301 YNYLSTDVGSCTLVCPPLHNOEYTAEDGTORCKCKSPCAR-----GTHSLPRPAVP 355
 DB 301 YNYLSTDVGSCTLVCPPLHNOEYTAEDGTORCKCKSPCAR-----GTHSLPRPAVP 355
 QY 301 YNYLSTDVGSCTLVCPPLHNOEYTAEDGTORCKCKSPCAR-----GTHSLPRPAVP 355
 DB 301 YNYLSTDVGSCTLVCPPLHNOEYTAEDGTORCKCKSPCAR-----GTHSLPRPAVP 355
 QY 356 LRMQGG--PAHVLFLRPSMDLVSAFVSLPLAPLSPTSVPI-----SPVSVGRGPD 405
 DB 356 LRMQGG--PAHVLFLRPSMDLVSAFVSLPLAPLSPTSVPI-----SPVSVGRGPD 405
 QY 361 IOEFAGCKKIRFSLAFLEPSFGDPAASNT---APLOPELOVFEIIEETGILYISAMPD 417
 DB 361 IOEFAGCKKIRFSLAFLEPSFGDPAASNT---APLOPELOVFEIIEETGILYISAMPD 417
 QY 406 --PDAHVAVNLISRYEG 419
 DB 406 --PDAHVAVNLISRYEG 419
 QY 418 SLPDLVFNQLQVIRG 433
 DB 418 SLPDLVFNQLQVIRG 433

RESULT 6
 ; US-10-146-473-72
 ; Sequence 72, Application US/10146473
 ; Publication No. US20030108888A1
 ; GENERAL INFORMATION:
 ; APPLICANT: Scanlan, Matthew
 ; APPLICANT: Gout, Ivan
 ; APPLICANT: Stockert, Elisabeth
 ; APPLICANT: Gure, Ali
 ; APPLICANT: Chen, Yao-Tseng
 ; APPLICANT: Old, Lloyd
 ; TITLE OF INVENTION: Breast Cancer Antigens
 ; FILE REFERENCE: L00461/70130(GRV)
 ; CURRENT APPLICATION NUMBER: US/10/146,473
 ; CURRENT FILING DATE: 2002-05-15
 ; PRIOR APPLICATION NUMBER: US 60/291,150
 ; PRIOR FILING DATE: 2001-05-15
 ; NUMBER OF SEQ ID NOS: 82
 ; SOFTWARE: Patent In version 3.0
 ; SEQ ID NO 72
 ; LENGTH: 1253

TYPE: PRT
ORGANISM: Homo sapiens
US-10-146-473-72

Query Match 82.1%; Score 1878; DB 15; Length 1253;
Best Local Similarity 83.0%; Pred. No. 2.4e-147;
Matches 362; Conservative 9; Mismatches 45; Indels 20; Gaps 5;

QY 1 MELAALCRWGLLLALPPGAASVCTGCTDMKRLRPASPEFHLDMLRHLRYGCGVVGNTL 60
DB 1 MELAALCRWGLLLALPPGAASVCTGCTDMKRLRPASPEFHLDMLRHLRYGCGVVGNTL 60
QY 61 ETTYLPNASLSFLDIOEVGYVLIANOVROYVLOLRIRYRGTOLEFEDNYALAVLNG 120
DB 61 ETTYLPNASLSFLDIOEVGYVLIANOVROYVLOLRIRYRGTOLEFEDNYALAVLNG 120
QY 121 DPLNNTTPTVGTASPGGLRELOLRSLTELKGGVLIQRNPOLCYODTILMKDIFHKNNOLA 180
DB 121 DPLNNTTPTVGTASPGGLRELOLRSLTELKGGVLIQRNPOLCYODTILMKDIFHKNNOLA 180
QY 181 LTLIDTNSRACHPCSPCKGSRGCGESSEDCQSLTRTVACAGCARCKGPLEPTDCCHQC 240
DB 181 LTLIDTNSRACHPCSPCKGSRGCGESSEDCQSLTRTVACAGCARCKGPLEPTDCCHQC 240
QY 241 AAGCTGPRHSDCLACIHFHNSGICELHCPALVTYNTDFFESMPNDEGRYTFGASCVTACP 300
DB 241 AAGCTGPRHSDCLACIHFHNSGICELHCPALVTYNTDFFESMPNDEGRYTFGASCVTACP 300
QY 301 YNYLSTDVSGCTLCVPLHNOEYTAEDGTORCEKSKPCAR-----GTHSLPRAAVVP 355
DB 301 YNYLSTDVSGCTLCVPLHNOEYTAEDGTORCEKSKPCAR-----GTHSLPRAAVVP 355
QY 361 LRMOPG--PAHPVLSFLRPSMDVSAFYSLPLAPLSPTSVPI-----SPVSYGRGPD 405
DB 361 LRMOPG--PAHPVLSFLRPSMDVSAFYSLPLAPLSPTSVPI-----SPVSYGRGPD 405
QY 406 --PDAAHVAVNLSRYEG 419
DB 406 --PDAAHVAVNLSRYEG 419
QY 418 SLPLDLSVFQNLQVIRG 433
DB 418 SLPLDLSVFQNLQVIRG 433

RESULT 7

US-09-811-123-9
Sequence 9, Application US/09811123
Patent No. US2002001587A1
GENERAL INFORMATION:
APPLICANT: Sharon Erickson
APPLICANT: Ralph Schwall
APPLICANT: Mark Sliwkowski
TITLE OF INVENTION: METHODS OF TREATMENT USING ANTI-ERBB
TITLE OF INVENTION: ANTIBODY-MAYTANSINOID CONJUGATES
FILE REFERENCE: GENEENT.073A2
CURRENT APPLICATION NUMBER: US/09/811.123
CURRENT FILING DATE: 2001-03-16
PRIOR APPLICATION NUMBER: 60/238.327
PRIOR FILING DATE: 2000-10-05
PRIOR APPLICATION NUMBER: 09/602.530
PRIOR FILING DATE: 2000-06-23
NUMBER OF SEQ ID NOS: 11
SOFTWARE: FASTSEQ for Windows Version 4.0
SEQ ID NO 9
LENGTH: 1255
TYPE: PRT
ORGANISM: Homo sapiens
US-09-811-123-9

Query Match 82.1%; Score 1878; DB 9; Length 1255;
Best Local Similarity 83.0%; Pred. No. 2.4e-147;
Matches 362; Conservative 9; Mismatches 45; Indels 20; Gaps 5;
QY 1 MELAALCRWGLLLALPPGAASVCTGCTDMKRLRPASPEFHLDMLRHLRYGCGVVGNTL 60
DB 1 MELAALCRWGLLLALPPGAASVCTGCTDMKRLRPASPEFHLDMLRHLRYGCGVVGNTL 60

QY 61 ETTYLPNASLSFLDIOEVGYVLIANOVROYVLOLRIRYRGTOLEFEDNYALAVLNG 120
DB 61 ETTYLPNASLSFLDIOEVGYVLIANOVROYVLOLRIRYRGTOLEFEDNYALAVLNG 120
QY 121 DPLNNTTPTVGTASPGGLRELOLRSLTELKGGVLIQRNPOLCYODTILMKDIFHKNNOLA 180
DB 121 DPLNNTTPTVGTASPGGLRELOLRSLTELKGGVLIQRNPOLCYODTILMKDIFHKNNOLA 180
QY 181 LTLIDTNSRACHPCSPCKGSRGCGESSEDCQSLTRTVACAGCARCKGPLEPTDCCHQC 240
DB 181 LTLIDTNSRACHPCSPCKGSRGCGESSEDCQSLTRTVACAGCARCKGPLEPTDCCHQC 240
QY 241 AAGCTGPRHSDCLACIHFHNSGICELHCPALVTYNTDFFESMPNDEGRYTFGASCVTACP 300
DB 241 AAGCTGPRHSDCLACIHFHNSGICELHCPALVTYNTDFFESMPNDEGRYTFGASCVTACP 300
QY 301 YNYLSTDVSGCTLCVPLHNOEYTAEDGTORCEKSKPCAR-----GTHSLPRAAVVP 355
DB 301 YNYLSTDVSGCTLCVPLHNOEYTAEDGTORCEKSKPCAR-----GTHSLPRAAVVP 355
QY 361 LRMOPG--PAHPVLSFLRPSMDVSAFYSLPLAPLSPTSVPI-----SPVSYGRGPD 405
DB 361 LRMOPG--PAHPVLSFLRPSMDVSAFYSLPLAPLSPTSVPI-----SPVSYGRGPD 405
QY 406 --PDAAHVAVNLSRYEG 419
DB 406 --PDAAHVAVNLSRYEG 419
QY 418 SLPLDLSVFQNLQVIRG 433
DB 418 SLPLDLSVFQNLQVIRG 433

RESULT 8

US-09-811-115-3
Sequence 3, Application US/09811115
Patent No. US20020035736A1
GENERAL INFORMATION:
APPLICANT: Erickson, Sharon
APPLICANT: Schwall, Ralph
APPLICANT: King, Kathleen
TITLE OF INVENTION: HER-2 TRANSGENIC NON-HUMAN TUMOR MODEL
FILE REFERENCE: GENEENT.034A
CURRENT APPLICATION NUMBER: US/09/811.115
CURRENT FILING DATE: 2001-03-16
PRIOR APPLICATION NUMBER: 60/189.844
PRIOR FILING DATE: 2000-03-16
NUMBER OF SEQ ID NOS: 4
SOFTWARE: FASTSEQ for Windows Version 4.0
SEQ ID NO 3
LENGTH: 1255
TYPE: PRT
ORGANISM: Homo sapiens
US-09-811-115-3

Query Match 82.1%; Score 1878; DB 9; Length 1255;
Best Local Similarity 83.0%; Pred. No. 2.4e-147;
Matches 362; Conservative 9; Mismatches 45; Indels 20; Gaps 5;

QY 1 MELAALCRWGLLLALPPGAASVCTGCTDMKRLRPASPEFHLDMLRHLRYGCGVVGNTL 60
DB 1 MELAALCRWGLLLALPPGAASVCTGCTDMKRLRPASPEFHLDMLRHLRYGCGVVGNTL 60
QY 61 ETTYLPNASLSFLDIOEVGYVLIANOVROYVLOLRIRYRGTOLEFEDNYALAVLNG 120
DB 61 ETTYLPNASLSFLDIOEVGYVLIANOVROYVLOLRIRYRGTOLEFEDNYALAVLNG 120
QY 121 DPLNNTTPTVGTASPGGLRELOLRSLTELKGGVLIQRNPOLCYODTILMKDIFHKNNOLA 180
DB 121 DPLNNTTPTVGTASPGGLRELOLRSLTELKGGVLIQRNPOLCYODTILMKDIFHKNNOLA 180
QY 181 LTLIDTNSRACHPCSPCKGSRGCGESSEDCQSLTRTVACAGCARCKGPLEPTDCCHQC 240
DB 181 LTLIDTNSRACHPCSPCKGSRGCGESSEDCQSLTRTVACAGCARCKGPLEPTDCCHQC 240
QY 241 AAGCTGPRHSDCLACIHFHNSGICELHCPALVTYNTDFFESMPNDEGRYTFGASCVTACP 300
DB 241 AAGCTGPRHSDCLACIHFHNSGICELHCPALVTYNTDFFESMPNDEGRYTFGASCVTACP 300

DB 241 AAGCTGPKHSDCLACLFHNSGICELHCPALVTYNTDFESMPNDEGRYTFGASCVTACP 300
QY 301 YNYLSTDVSGCTLVCPLEHNOEYTAEDGTORCEKSKPCAR-----GTHSLLRPAAYVP 355
DB 301 YNYLSTDVSGCTLVCPLEHNOEYTAEDGTORCEKSKPCARVCGYLGMEHLREVRVTSAN 360
QY 356 LRMOPG--PAHPVLSFLRPSMDLVSAFYSLPLAPLSPTSVPI-----SPVSVGRPD 405
DB 361 IOEFAGCKKIFGSLAFLEPESFDGDPASNT---APLQPDQLQVFETLEETGLTGLYISAMPD 417
QY 406 --PDAAHVAVNLSRYEG 419
DB 418 SLPDLVVFQNLQVIRG 433

RESULT 9
US-09-769-508-2
; Sequence 2, Application US/09769508
; Patent No. US2002015527A1
; GENERAL INFORMATION:
; APPLICANT: STUART, SUSAN G.
; APPLICANT: MONAHAN, JOHN J.
; APPLICANT: LANGSTON, BEATRICE CLAUDIA
; APPLICANT: HANCOCK, MIRIAM E.C.
; APPLICANT: CHAO, LORRINE A.
; APPLICANT: BLUFORD, PETER
; TITLE OF INVENTION: C-ERBB-2 EXTERNAL DOMAIN: GP75
; FILE REFERENCE: BEBIO-111-C1
; CURRENT APPLICATION NUMBER: US/09/769,508
; CURRENT FILING DATE: 2001-01-26
; NUMBER OF SEQ ID NOS: 2
; SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 2
; LENGTH: 1255
; TYPE: PRT
; ORGANISM: Homo sapiens
US-09-769-508-2

Query Match 82.1%; Score 1878; DB 10; Length 1255;
Best Local Similarity 83.0%; Pred. No. 2.4e-147;
Matches 362; Conservative 9; Mismatches 45; Indels 20; Gaps 5;

QY 1 MELAALCRWGLLLALLPGAASTGYCTGDMKRLRPASPTHLDMLRHLYGCCQVVGNTL 60
DB 1 MELAALCRWGLLLALLPGAASTGYCTGDMKRLRPASPTHLDMLRHLYGCCQVVGNTL 60
QY 61 ELTYIPTNASLSFLQDIOEVQGYVLIANQVQVPLQRLRYRGQTFQEDNTALAVLDNG 120
DB 61 ELTYIPTNASLSFLQDIOEVQGYVLIANQVQVPLQRLRYRGQTFQEDNTALAVLDNG 120
QY 121 DPLNNTTPTVGTASPGGLRELQRLSLTEILKGVLLQORNPQLCYQDTILMKDIFHNNOLA 180
DB 121 DPLNNTTPTVGTASPGGLRELQRLSLTEILKGVLLQORNPQLCYQDTILMKDIFHNNOLA 180
QY 181 LTLIDTNSRACHPCSPCKGSRGWESSEDCOSLTRVCAGGACARCKGPLETDCCHQC 240
DB 181 LTLIDTNSRACHPCSPCKGSRGWESSEDCOSLTRVCAGGACARCKGPLETDCCHQC 240
QY 241 AAGCTGPKHSDCLACLFHNSGICELHCPALVTYNTDFESMPNDEGRYTFGASCVTACP 300
DB 241 AAGCTGPKHSDCLACLFHNSGICELHCPALVTYNTDFESMPNDEGRYTFGASCVTACP 300
QY 301 YNYLSTDVSGCTLVCPLEHNOEYTAEDGTORCEKSKPCAR-----GTHSLLRPAAYVP 355
DB 301 YNYLSTDVSGCTLVCPLEHNOEYTAEDGTORCEKSKPCARVCGYLGMEHLREVRVTSAN 360
QY 356 LRMOPG--PAHPVLSFLRPSMDLVSAFYSLPLAPLSPTSVPI-----SPVSVGRPD 405
DB 361 IOEFAGCKKIFGSLAFLEPESFDGDPASNT---APLQPDQLQVFETLEETGLTGLYISAMPD 417
QY 406 --PDAAHVAVNLSRYEG 419

DB 418 SLPDLVVFQNLQVIRG 433

RESULT 10
US-09-854-356-1
; Sequence 1, Application US/09854356
; Patent No. US20020177567A1
; GENERAL INFORMATION:
; APPLICANT: Cheever, Martin A.
; APPLICANT: Cheyzen, Dirk
; APPLICANT: Corixa Corporation
; APPLICANT: SmithKline Beecham Biologicals S. A.
; TITLE OF INVENTION: HER-2/neu Fusion Proteins
; FILE REFERENCE: 014058-009810PC
; CURRENT APPLICATION NUMBER: US/09/854,356
; CURRENT FILING DATE: 2001-05-09
; PRIOR APPLICATION NUMBER: US 09/493,480
; PRIOR FILING DATE: 2000-01-28
; PRIOR APPLICATION NUMBER: US 60/117,976
; PRIOR FILING DATE: 1999-01-29
; NUMBER OF SEQ ID NOS: 26
; SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 1
; LENGTH: 1255
; TYPE: PRT
; ORGANISM: Homo sapiens
; FEATURE:
; OTHER INFORMATION: human HER-2/neu protein
; NAME/KEY: DOMAIN
; LOCATION: (1)..(653)
; OTHER INFORMATION: extracellular domain (ECD)
; NAME/KEY: DOMAIN
; LOCATION: (676)..(1255)
; OTHER INFORMATION: intracellular domain (ICD)
; NAME/KEY: DOMAIN
; LOCATION: (990)..(1255)
; OTHER INFORMATION: phosphorylation domain (PD)
; NAME/KEY: DOMAIN
; LOCATION: (990)..(1048)
; OTHER INFORMATION: fragment of the phosphorylation domain, preferred
; OTHER INFORMATION: portion (delta PD)
US-09-854-356-1

Query Match 82.1%; Score 1878; DB 10; Length 1255;
Best Local Similarity 83.0%; Pred. No. 2.4e-147;
Matches 362; Conservative 9; Mismatches 45; Indels 20; Gaps 5;

QY 1 MELAALCRWGLLLALLPGAASTGYCTGDMKRLRPASPTHLDMLRHLYGCCQVVGNTL 60
DB 1 MELAALCRWGLLLALLPGAASTGYCTGDMKRLRPASPTHLDMLRHLYGCCQVVGNTL 60
QY 61 ELTYIPTNASLSFLQDIOEVQGYVLIANQVQVPLQRLRYRGQTFQEDNTALAVLDNG 120
DB 61 ELTYIPTNASLSFLQDIOEVQGYVLIANQVQVPLQRLRYRGQTFQEDNTALAVLDNG 120
QY 121 DPLNNTTPTVGTASPGGLRELQRLSLTEILKGVLLQORNPQLCYQDTILMKDIFHNNOLA 180
DB 121 DPLNNTTPTVGTASPGGLRELQRLSLTEILKGVLLQORNPQLCYQDTILMKDIFHNNOLA 180
QY 181 LTLIDTNSRACHPCSPCKGSRGWESSEDCOSLTRVCAGGACARCKGPLETDCCHQC 240
DB 181 LTLIDTNSRACHPCSPCKGSRGWESSEDCOSLTRVCAGGACARCKGPLETDCCHQC 240
QY 241 AAGCTGPKHSDCLACLFHNSGICELHCPALVTYNTDFESMPNDEGRYTFGASCVTACP 300
DB 241 AAGCTGPKHSDCLACLFHNSGICELHCPALVTYNTDFESMPNDEGRYTFGASCVTACP 300
QY 301 YNYLSTDVSGCTLVCPLEHNOEYTAEDGTORCEKSKPCAR-----GTHSLLRPAAYVP 355
DB 301 YNYLSTDVSGCTLVCPLEHNOEYTAEDGTORCEKSKPCARVCGYLGMEHLREVRVTSAN 360
QY 356 LRMOPG--PAHPVLSFLRPSMDLVSAFYSLPLAPLSPTSVPI-----SPVSVGRPD 405

Db 361 IOEFAGCKKIFGSLAFLEPESFDGPASNT---APLQPEOLQVETLEETIGLYISAMPD 417
 Qy 406 --PDAHVAVNLSRYEG 419
 Db 418 SLPLDSVFQNLQVIRG 433

RESULT 11
 US-09-930-125-2
 ; Sequence 2, Application US/09930125
 ; Publication No. US20020193329A1
 ; GENERAL INFORMATION:
 ; APPLICANT: Hand-Zimmerman, Susan
 ; APPLICANT: Cheever, Martin A.
 ; APPLICANT: Foy, Teresa M.
 ; APPLICANT: Lodes, Michael J.
 ; APPLICANT: Kalos, Michael D.
 ; APPLICANT: McNeill, Patricia D.
 ; APPLICANT: Vedrick, Thomas S.
 ; TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR THE THERAPY AND DIAGNOSIS
 ; FILE REFERENCE: 210121.544
 ; CURRENT APPLICATION NUMBER: US/09/930.125
 ; CURRENT FILING DATE: 2001-08-14
 ; NUMBER OF SEQ ID NOS: 25
 ; SOFTWARE: FastSeq for Windows Version 3.0
 ; SEQ ID NO 2
 ; LENGTH: 1255
 ; TYPE: PRT
 ; ORGANISM: Homo sapien
 ; US-09-930-125-2

Query Match 82.1%; Score 1878; DB 10; Length 1255;
 Best Local Similarity 83.0%; Pred. No. 2.4e-147;
 Matches 362; Conservative 9; Mismatches 45; Indels 20; Gaps 5;

Qy 1 METALCRWGLLLALLPPGAASCTGCTGDMKRLRPASPEHLDMLRHLHYGCGVQGNL 60
 Db 1 METALCRWGLLLALLPPGAASCTGCTGDMKRLRPASPEHLDMLRHLHYGCGVQGNL 60
 Qy 61 ELTYLPTNASLSFLDIOIEVOGYVLIANOVROYVLORLRIYRGTOLEFEDNYALAVLDNG 120
 Db 61 ELTYLPTNASLSFLDIOIEVOGYVLIANOVROYVLORLRIYRGTOLEFEDNYALAVLDNG 120
 Qy 121 DPLNNTTPTVTGASPGGLRELDRLSLTEILKGVLIOQRNPOLCYOTIIMKDIFFHKNQOLA 180
 Db 121 DPLNNTTPTVTGASPGGLRELDRLSLTEILKGVLIOQRNPOLCYOTIIMKDIFFHKNQOLA 180
 Qy 181 LTLIDTNSRACHPCSPCKGSRGCESESDQSLTRTVACAGCARCKGPLEPTDCCHQC 240
 Db 181 LTLIDTNSRACHPCSPCKGSRGCESESDQSLTRTVACAGCARCKGPLEPTDCCHQC 240
 Qy 241 AAGCTGPKHSDCLACLFHNSGICELHCPALVTYNTDFFESMPNDEGRYTFGASCVTACP 300
 Db 241 AAGCTGPKHSDCLACLFHNSGICELHCPALVTYNTDFFESMPNDEGRYTFGASCVTACP 300
 Qy 301 YNYLSTDVGSCITVCPPLHNOEVTADGTQRCCKSPCARVCYGLGMEHLREAVRVTSAN 360
 Db 301 YNYLSTDVGSCITVCPPLHNOEVTADGTQRCCKSPCARVCYGLGMEHLREAVRVTSAN 360
 Qy 361 LRMOPG--PAHPVLSFLRPSMDVLSAFYSLPLAPLSPTSVPI-----SPVSYGRGPD 405
 Db 361 IOEFAGCKKIFGSLAFLEPESFDGPASNT---APLQPEOLQVETLEETIGLYISAMPD 417
 Qy 406 --PDAHVAVNLSRYEG 419
 Db 418 SLPLDSVFQNLQVIRG 433

RESULT 12
 US-09-441-411-6
 ; Sequence 6, Application US/09441411
 ; Publication No. US20030008342A1

; GENERAL INFORMATION:
 ; APPLICANT: Scholler, Nathalie B.
 ; APPLICANT: Disis, Mary L.
 ; APPLICANT: Hellstrom, Ingegerd
 ; APPLICANT: Hellstrom, Karl Erik
 ; TITLE OF INVENTION: SURFACE RECEPTOR ANTIGEN VACCINES
 ; FILE REFERENCE: 730033.409
 ; CURRENT APPLICATION NUMBER: US/09/441.411
 ; CURRENT FILING DATE: 1999-11-16
 ; NUMBER OF SEQ ID NOS: 26
 ; SOFTWARE: FastSeq for Windows Version 4.0
 ; SEQ ID NO 6
 ; LENGTH: 1255
 ; TYPE: PRT
 ; ORGANISM: Homo sapiens
 ; US-09-441-411-6

Query Match 82.1%; Score 1878; DB 11; Length 1255;
 Best Local Similarity 83.0%; Pred. No. 2.4e-147;
 Matches 362; Conservative 9; Mismatches 45; Indels 20; Gaps 5;

Qy 1 METALCRWGLLLALLPPGAASCTGCTGDMKRLRPASPEHLDMLRHLHYGCGVQGNL 60
 Db 1 METALCRWGLLLALLPPGAASCTGCTGDMKRLRPASPEHLDMLRHLHYGCGVQGNL 60
 Qy 61 ELTYLPTNASLSFLDIOIEVOGYVLIANOVROYVLORLRIYRGTOLEFEDNYALAVLDNG 120
 Db 61 ELTYLPTNASLSFLDIOIEVOGYVLIANOVROYVLORLRIYRGTOLEFEDNYALAVLDNG 120
 Qy 121 DPLNNTTPTVTGASPGGLRELDRLSLTEILKGVLIOQRNPOLCYOTIIMKDIFFHKNQOLA 180
 Db 121 DPLNNTTPTVTGASPGGLRELDRLSLTEILKGVLIOQRNPOLCYOTIIMKDIFFHKNQOLA 180
 Qy 181 LTLIDTNSRACHPCSPCKGSRGCESESDQSLTRTVACAGCARCKGPLEPTDCCHQC 240
 Db 181 LTLIDTNSRACHPCSPCKGSRGCESESDQSLTRTVACAGCARCKGPLEPTDCCHQC 240
 Qy 241 AAGCTGPKHSDCLACLFHNSGICELHCPALVTYNTDFFESMPNDEGRYTFGASCVTACP 300
 Db 241 AAGCTGPKHSDCLACLFHNSGICELHCPALVTYNTDFFESMPNDEGRYTFGASCVTACP 300
 Qy 301 YNYLSTDVGSCITVCPPLHNOEVTADGTQRCCKSPCARVCYGLGMEHLREAVRVTSAN 360
 Db 301 YNYLSTDVGSCITVCPPLHNOEVTADGTQRCCKSPCARVCYGLGMEHLREAVRVTSAN 360
 Qy 361 LRMOPG--PAHPVLSFLRPSMDVLSAFYSLPLAPLSPTSVPI-----SPVSYGRGPD 405
 Db 361 IOEFAGCKKIFGSLAFLEPESFDGPASNT---APLQPEOLQVETLEETIGLYISAMPD 417
 Qy 406 --PDAHVAVNLSRYEG 419
 Db 418 SLPLDSVFQNLQVIRG 433

RESULT 13
 US-10-207-498-6
 ; Sequence 6, Application US/10207498
 ; Publication No. US20030143568A1
 ; GENERAL INFORMATION:
 ; APPLICANT: Elizabeth Singer
 ; APPLICANT: Ralf Landgraf
 ; APPLICANT: Dennis J. Slamon
 ; APPLICANT: David Eisenberg
 ; TITLE OF INVENTION: METHODS AND MATERIALS FOR CHARACTERIZING
 ; FILE REFERENCE: 30448.103-US-01
 ; CURRENT APPLICATION NUMBER: US/10/207.498
 ; CURRENT FILING DATE: 2002-07-29
 ; PRIOR APPLICATION NUMBER: 60/308.431
 ; NUMBER OF SEQ ID NOS: 24
 ; SOFTWARE: FastSeq for Windows Version 4.0
 ; SEQ ID NO 6

LENGTH: 1255
TYPE: PRT
ORGANISM: Homo sapiens
US-10-207-498-6

Query Match 82.1%; Score 1878; DB 12; Length 1255;

Best Local Similarity 83.0%; Pred. No. 2.4e-147;

Matches 362; Conservative 9; Mismatches 45; Indels 20; Gaps 5;

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QY 1 MELAALCRWGLLALLPPGAASVCTGTGDMKRLRPASPTHLDMLRHLRYGCGVYVQNL 60
DB 1 MELAALCRWGLLALLPPGAASVCTGTGDMKRLRPASPTHLDMLRHLRYGCGVYVQNL 60
QY 61 ELTYLPTNASLSFLDIOEVQGYVLIANQVQVPLQRLRIYRGQLFEDNALAVLDNG 120
DB 61 ELTYLPTNASLSFLDIOEVQGYVLIANQVQVPLQRLRIYRGQLFEDNALAVLDNG 120
QY 121 DPLNNTPTVTGASPGGLRELQRLSLTEILKGGVLIQRNPOLCYODTIIMKDIFFHKNNOIA 180
DB 121 DPLNNTPTVTGASPGGLRELQRLSLTEILKGGVLIQRNPOLCYODTIIMKDIFFHKNNOIA 180
QY 181 LTLIDTNSRACHPCSPMCKSGRCWGESSEDCQSLTRYCAGGACARCKGRLPTDCCHQC 240
DB 181 LTLIDTNSRACHPCSPMCKSGRCWGESSEDCQSLTRYCAGGACARCKGRLPTDCCHQC 240
QY 241 AAGCTGPKHSDCLACLFHNHSGICELHCPALVTYNTDFESMPNDEGRYTFGASCVTACP 300
DB 241 AAGCTGPKHSDCLACLFHNHSGICELHCPALVTYNTDFESMPNDEGRYTFGASCVTACP 300
QY 301 YNYLSTDVGSCTLVCPPLHNOEYTAEDGTQRCCKSPCARVCGYGLMEHLREVRAVTSAN 360
DB 301 YNYLSTDVGSCTLVCPPLHNOEYTAEDGTQRCCKSPCARVCGYGLMEHLREVRAVTSAN 360
QY 361 LRMQPG--PAHPVLSFLRPSMDLVSIFYSLPLAPLSPTSVP1-----SPVSYGRGPD 405
DB 361 IOEFAGCKKIFGSLAFLEPESFDGDPASNT--APLQPEQLQVETLEITGYLYISAMPD 417
QY 406 --PDAHVAVNLSRYEG 419
DB 406 --PDAHVAVNLSRYEG 419
QY 418 SLPLDSVFNQLQVING 433
DB 418 SLPLDSVFNQLQVING 433
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RESULT 14

US-10-338-730-2

Sequence 2, Application US/10338730

Publication No. US20030147905A1

GENERAL INFORMATION:

APPLICANT: Genzyme Corporation

APPLICANT: Nicolette, Charles A.

TITLE OF INVENTION: THERAPEUTIC COMPOUNDS

FILE REFERENCE: 5017C

CURRENT APPLICATION NUMBER: US/10/338,730

PRIOR APPLICATION NUMBER: US 09/527,487

PRIOR FILING DATE: 2002-03-16

NUMBER OF SEQ ID NOS: 10

SOFTWARE: PatentIn version 3.1

SEQ ID NO 2

LENGTH: 1255

TYPE: PRT

ORGANISM: Homo sapiens

US-10-338-730-2

Query Match 82.1%; Score 1878; DB 12; Length 1255;

Best Local Similarity 83.0%; Pred. No. 2.4e-147;

Matches 362; Conservative 9; Mismatches 45; Indels 20; Gaps 5;

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QY 1 MELAALCRWGLLALLPPGAASVCTGTGDMKRLRPASPTHLDMLRHLRYGCGVYVQNL 60
DB 1 MELAALCRWGLLALLPPGAASVCTGTGDMKRLRPASPTHLDMLRHLRYGCGVYVQNL 60
QY 61 ELTYLPTNASLSFLDIOEVQGYVLIANQVQVPLQRLRIYRGQLFEDNALAVLDNG 120
DB 61 ELTYLPTNASLSFLDIOEVQGYVLIANQVQVPLQRLRIYRGQLFEDNALAVLDNG 120
```

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DB 61 ELTYLPTNASLSFLDIOEVQGYVLIANQVQVPLQRLRIYRGQLFEDNALAVLDNG 120
QY 121 DPLNNTPTVTGASPGGLRELQRLSLTEILKGGVLIQRNPOLCYODTIIMKDIFFHKNNOIA 180
DB 121 DPLNNTPTVTGASPGGLRELQRLSLTEILKGGVLIQRNPOLCYODTIIMKDIFFHKNNOIA 180
QY 181 LTLIDTNSRACHPCSPMCKSGRCWGESSEDCQSLTRYCAGGACARCKGRLPTDCCHQC 240
DB 181 LTLIDTNSRACHPCSPMCKSGRCWGESSEDCQSLTRYCAGGACARCKGRLPTDCCHQC 240
QY 241 AAGCTGPKHSDCLACLFHNHSGICELHCPALVTYNTDFESMPNDEGRYTFGASCVTACP 300
DB 241 AAGCTGPKHSDCLACLFHNHSGICELHCPALVTYNTDFESMPNDEGRYTFGASCVTACP 300
QY 301 YNYLSTDVGSCTLVCPPLHNOEYTAEDGTQRCCKSPCARVCGYGLMEHLREVRAVTSAN 360
DB 301 YNYLSTDVGSCTLVCPPLHNOEYTAEDGTQRCCKSPCARVCGYGLMEHLREVRAVTSAN 360
QY 361 LRMQPG--PAHPVLSFLRPSMDLVSIFYSLPLAPLSPTSVP1-----SPVSYGRGPD 405
DB 361 IOEFAGCKKIFGSLAFLEPESFDGDPASNT--APLQPEQLQVETLEITGYLYISAMPD 417
QY 406 --PDAHVAVNLSRYEG 419
DB 406 --PDAHVAVNLSRYEG 419
QY 418 SLPLDSVFNQLQVING 433
DB 418 SLPLDSVFNQLQVING 433
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RESULT 15

US-10-313-644-2

Sequence 2, Application US/10313644

Publication No. US20030157119A1

GENERAL INFORMATION:

APPLICANT: Gaiger, Alexander

APPLICANT: Cheever, Martin A.

TITLE OF INVENTION: METHODS FOR DIAGNOSIS AND THERAPY OF HEMATOLOGICAL

FILE REFERENCE: 210121.483C3

CURRENT APPLICATION NUMBER: US/10/313,644

PRIOR FILING DATE: 2002-12-04

NUMBER OF SEQ ID NOS: 5

SOFTWARE: FastSeq for Windows Version 3.0

SEQ ID NO 2

LENGTH: 1255

TYPE: PRT

ORGANISM: Homo sapien

US-10-313-644-2

Query Match 82.1%; Score 1878; DB 12; Length 1255;

Best Local Similarity 83.0%; Pred. No. 2.4e-147;

Matches 362; Conservative 9; Mismatches 45; Indels 20; Gaps 5;

```
QY 1 MELAALCRWGLLALLPPGAASVCTGTGDMKRLRPASPTHLDMLRHLRYGCGVYVQNL 60
DB 1 MELAALCRWGLLALLPPGAASVCTGTGDMKRLRPASPTHLDMLRHLRYGCGVYVQNL 60
QY 61 ELTYLPTNASLSFLDIOEVQGYVLIANQVQVPLQRLRIYRGQLFEDNALAVLDNG 120
DB 61 ELTYLPTNASLSFLDIOEVQGYVLIANQVQVPLQRLRIYRGQLFEDNALAVLDNG 120
QY 121 DPLNNTPTVTGASPGGLRELQRLSLTEILKGGVLIQRNPOLCYODTIIMKDIFFHKNNOIA 180
DB 121 DPLNNTPTVTGASPGGLRELQRLSLTEILKGGVLIQRNPOLCYODTIIMKDIFFHKNNOIA 180
QY 181 LTLIDTNSRACHPCSPMCKSGRCWGESSEDCQSLTRYCAGGACARCKGRLPTDCCHQC 240
DB 181 LTLIDTNSRACHPCSPMCKSGRCWGESSEDCQSLTRYCAGGACARCKGRLPTDCCHQC 240
QY 241 AAGCTGPKHSDCLACLFHNHSGICELHCPALVTYNTDFESMPNDEGRYTFGASCVTACP 300
DB 241 AAGCTGPKHSDCLACLFHNHSGICELHCPALVTYNTDFESMPNDEGRYTFGASCVTACP 300
QY 301 YNYLSTDVGSCTLVCPPLHNOEYTAEDGTQRCCKSPCARVCGYGLMEHLREVRAVTSAN 360
DB 301 YNYLSTDVGSCTLVCPPLHNOEYTAEDGTQRCCKSPCARVCGYGLMEHLREVRAVTSAN 360
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Db      301 YNYLSTDVGSCTLYCPLHNOEVTAEDEGQRCCKSCPCARVCYGLGMEHLREVRAYTSAN 360
OY      356 LRMQPG--PAHPVLSFLRPSMDLVSAFYSLPLAPLPTSVPI-----SPVSYGRGPD 405
Db      361 IOEPAGCKKIFGSLAFLEPESFDGDPASNT---APLOPEOLOVFETLEETITGLYISAMPD 417
OY      406 --PDAAVAVNLSRREG 419
Db      418 SLPDLVSFONLOVIRG 433

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Search completed: September 3, 2003, 16:49:12
 Job time : 37.3373 secs